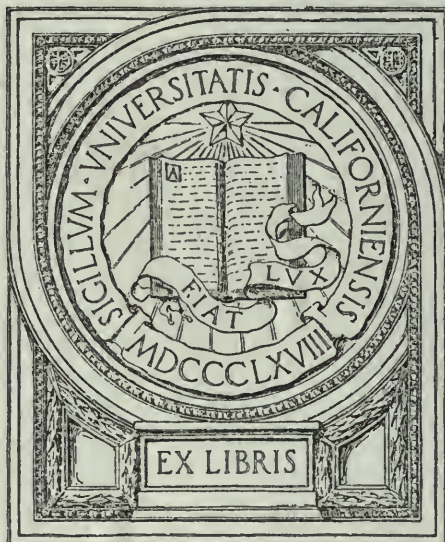


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ROUTES
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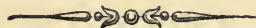


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 INFORMATION AS TO SUPPLIES
 AND TRANSPORT.

MAJOR-GENERAL LE MARQUIS DE BOURBEL, "*General*
R.E., RETIRED,

LATE CHIEF ENGINEER OF THE JAMMU AND KASHMIR STATE.



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THACKER, SPINK AND CO.

1897.

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MAJOR-GENERAL HIS HIGHNESS THE MAHARAJA

SIR PRATAP SINGH, G.C.S.I.,

INDAR MAHINDAR BAHADUR, SIPAR-I-SULTANAT,

MAHARAJA OF JAMMU AND KASHMIR.

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1851-1852

PREFACE.

THE Routes in this book are mainly compiled from the books of various authors and travellers, who have published a description and map of their journeys in or through Jammu and Kashmir. Some are taken from Lieutenant-Colonel Montgomerie's, R.E., Route book and map, and from his survey map of this country ; others are the result of my own notes when making a reconnaissance of the country for a railway to connect the Punjab with Kashmir, while the rest are collected from the information given to me at various times by traders and hunters of the country.

The notes taken during my own journeys in Jammu and Kashmir have enabled me to revise the length of the marches on some of the routes previously published, and to describe the general character of the route, whether at present fit for man on foot or horseback, or fit for laden animals, &c. The knowledge of the country acquired during a residence of 10 years has enabled me to give fairly accurate data regarding the prospect of shelter, supplies, grass, fuel, water and means of transport at each stage on many routes.

My object has been to present in a tabular and condensed form such information as may give to the traveller some idea of what lies before him, may afford him some help in his movements and may enable him to make timely arrangements to prevent detention on the march.

In the margin and foot-notes, the chief points of interest likely to attract the traveller are briefly alluded to, leaving him to form his own opinion of what he may choose to see.

All the routes in this book have been arranged into five groups, each radiating from a centre or capital of a province. Jammu, Poonch, Srinagar, Gilgit and Leh are the capitals of some chief provinces in the dominions of His Highness the Maharaja of Jammu and Kashmir, and have been selected as the most convenient centres, from which each set of routes radiate in a complete circle, extending generally to the North-Western Railway on the south, to Hazara, Kaghan and Chitral on the west, to Central Asia on the north, and to Chinese Thibet and Simla on the east. The Capitals of other provinces such as Baltistan, Zanskar, Badrawar, Ramnagar have not been taken as centres, as they are served by the other radiating routes.

This arrangement involves the recasting of the old published routes with different termini and some repetition of the parts of various routes, in order that each new route may be separate and complete. Though this adds to the bulk of the work, it will save to the traveller the trouble of making frequent reference to other parts of the same book and thus save his time, when on a journey.

Some portions of the old routes have become altered in time, through the action of glaciers, the shifting and erosion of rivers, landslips or other natural causes. Some routes have been newly constructed under the orders of H. H. the Maharaja of Jammu and Kashmir, and many local variations have taken place through gradual improvements. The names of some places have also changed. My endeavour has been to collect the most recent information available on these points for the revision of the old routes.

This book must be looked upon in the main as a selection and compilation from the works and maps of which a list is given ; from these this book takes its source, and my best acknowledgments are due to their several authors. In attempting a revision with the aid of later knowledge, many oversights or errors may have crept in, but on the whole, it is hoped, that this work may prove to be of some practical use to the public. A list of the Routes will be found at the beginning and an Index at the end of this book to facilitate reference.

The best maps for a traveller in Jammu and Kashmir are the one-inch two miles Map of Jammu and Kashmir published by the Surveyor-General of India and the Route Map of the Western Himalayas as published by the same office.

The existing rules in force as regards visitors to Kashmir should be procured from the office of the Resident in Kashmir at Srinagar or Sialkot.

The visitor to Jammu and Kashmir will find the six months, 15th May to 15th November inclusive, the best for travelling, while the last three months, 15th August to 15th November, are usually dry weather. There are shops in Srinagar, where he can purchase or hire a sufficient outfit of tents, stores, servants, &c., for a short journey, though, if not pressed for time, he had better collect at his leisure and bring such articles with him for a long journey.

As a rule the intending traveller will find it convenient to hire at his starting point at least one-half of the requisite transport for his through journey. Ponies and mules, with one man for every two animals, are procurable at every large market town. About 10 to 20 coolies are usually to be had at every intermediate stage, though there may be difficulty in getting these at times of religious and other festivals, of sowing and reaping crops. When travelling in Thibet and Central Asia, through transport for the entire baggage is essential.

DE BOURBEL.

GUPCUR, SRINAGAR, }
Kashmir, 1897. }

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 „ *S. J. Stone*—In and Beyond the Himalayas.

MAPS.

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Route Map of Punjab and Kashmir by Lieutenant-Colonel T. G. Montgomerie, R.E.

Turkistan and Central Asia by Lieutenant-General J. T. Walker, R.E., C.B.

Astor and Gilgit by Lieutenant-General J. A. Walker, R.E., C.B.

Thibet, *R. G. S.* Vol. IV of 1894 by Lieutenant-General J. T. Walker, R.E., C.B.

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ABBREVIATIONS.

D. B.—Dâk Bungalow with servants and board.

B.—Road Bungalow, rest-house or *baradari* without servant or board.

F. B.—Forest Bungalow.

C.—Caravan Serai for Native traveller.

E.—Encamping ground.

P. O.—Post Office.

T. O.—Telegraph Office.

S.—Supplies or *russud* for an ordinary party of travellers.

G.—Grass or grazing for transport animals.

F.—Firewood or other fuel.

W.—Water for drinking, &c.

M. P.—Mountain Pass.

L.—Lake.

T.—Transport coolies, ponies, mules or yâks, &c., for an ordinary party of travellers.

H.—Hot spring.

ERRATA.

<i>Page.</i>	<i>for</i>	<i>read</i>
87 } 116 }	Poonch State	... Poonch territory (<i>ilaka</i>).
329 } 361 }	Gialpoor	... Gyalpo or.
371	<i>after</i> in length	... 343 miles.
379	Hosiharpur	... Hoshiarpur.
"	roads	... road.
"	distance	... distances.
380	Kirshetwar	... Kishtwar.
"	Kangua	... Kangra.
"	<i>omit</i> from	...
"	Hunsa	... Hunza.
"	Sarikal	... Sarikol.
"	for Kela	... Forbela to.



ROUTES
IN
JAMMU AND KASHMIR.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE <i>m.</i>	TOTAL. <i>m. f.</i>						
I JAMMU to AMRITSAR by PAKOI OORF, DEHRA BABA NANUK —									
1	Jammu <i>P. O., T. O., D. B., C.</i>	...	0 ... 1 4 6 ...	Country undulating, rough cart-road.	Across Tawi drainage.	 Tawi bridge. Balal ford.	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of the Jammu State.
2	Bishenath	11 ...	11 ... 15 ...	Country flat, rough cart-road.	..... .....	..... Aik ford.	.....	S. G. F. and W. procurable, T. nil.	Tawi Station on Branch Railway.
3	Saidgurb	11 ...	22 ... 26 ...	Track across flat country.	Across Ravi drainage.	 Degh ford.	.....	Ditto	Ditto.
4	Zufurwal <i>P. O.—</i>	8 4	30 4	Country low and subject to inundation during rains, nullahs then difficult.	.....	.....	.....	S. G. F. procurable, W. plentiful, T. available.	Large village.
5	Dhantall <i>D. B., E. good.—</i>	6 ...	36 4	.....	.....	.....	.....	Ditto	Ditto.
6	Dodi	14 4	51 ... 55 ...	 Road very heavy near river.	..... .....	..... Ravi ferry.	.....	S. after notice, T. nil	.....

6	Pakoi or Dehra Nanuk <i>P. O., E. nil.—</i>	...	6	...	57	...	Road sandy	.....	.....	Kiran bridged	.....	S. G. F. and W. abundant, T. available.	Large town.
7	Fategarh <i>P. O., E. nil.—</i>	...	12	...	69	...	Road good	.....	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Town.
8	Amritsar <i>P. O., T. O., Hotel, E.—</i>	...	15	...	84	...	.....	.....	.....	.....	.....	S. G. F. and W. abundant, T. ample.	City and junction station on N.-W. Railway.

Ia PAKOI OORF, DEHRA BABA NANUK to JALANDHAR by BATALA—

6	Pakoi or Dehra Nanuk <i>P. O., E. nil.—</i>	...	...	...	57	...	Country level but low and subject to inundation during rains, road rather heavy.	Across Ravi drainage. .....	.....	Barce Doab canal bridged. Ravi canal bridged. .....	.....	S. G. F. and W. abundant, T. available.	Large town.
7	Batala <i>P. O., T. O., D. E., E. good.—</i>	...	20	...	77	...	.....	.....	.....	.....	.....	Ditto	Large town and Station on Branch Railway.
8	Mehtah	...	10	6	87	6	.....	Across Beas drainage. .....	.....	.....	.....	S. after notice, T. nil.	Village.
	Wazirghat	...	...	...	92	...	.....	.....	.....	Sobraon branch canal bridged. Beas bridge of boats and ferry in rains. .....	.....	.....	East bank Beas Station on N.-W. Railway.
9	Girana <i>E. good.—</i>	...	15	4	103	2	Grand Trunk Road	.....	.....	.....	.....	S. after notice, T. procurable.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
Ia	<i>ROUTE—contd.</i>	15	4 103 2	.....	Across Beas drainage.	Veyn' bridged	.....		
	<i>Hamira</i>	... ..	... .. 108 ...	.....	.....	.....	.....		
10	Kartarpur <i>P. O., T. O., E. good.</i>	8	4 111 6	.....	.....	.....	.....	S. G. F. and W. plentiful, T. available	Railway Station on N.-W. main line.
11	Jalandhar <i>P. O., T. O., D. B., C., E. good.—</i>	13	... 124 6	.....	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Cantonment, Civil Station and City, also two Railway Stations on N.-W. main line.

From Hamira, 108 miles on G. T. Road, there is a cart-road 8 miles in length to Kapurthala.

From Kartarpur, 111 m. 6 f. on G. T. Road, there is a metalled road, 9 miles long to Kapurthala, the capital of the Kapurthala State—crossing the N.-W. Railway at the end of the first mile.

II JAMMU to AMRITSAR by SIALKOT—

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
	Jammu <i>P. O., T. O., D. B. C.</i>	...	... 0 ...	Metalled road	Across Chenab drainage. .....	.....	1200	S. G. F. and W. abundant, T. ample	Large town and capital of Jammu State, Tawi Station on branch railway.
		...	1 4	.....	.....	Tawi bridge.			
		...	6 ...	.....	.....	Balal ford.			

1	Runbir Singhpur <i>P. O., T. O.</i>	14	..	14	..	.....	.....	898	S. and W. scarce, T. nil.	Railway Station on branch line.
2	Sialkot <i>P. O., T. O., D. B., C. E. good.</i>	13	..	27 29	..	Country level, open and cultivated, rough cart-road, nullahs difficult during rains.	 Aik bridged.	829 ...	S. G. F. and W. plentiful, T. ample.	Ditto, Large Cantonment, Civil Station and City.
3	Bhuddeeana <i>E. good.</i>	11	..	38	..	.....	.....	.....	S. after notice, W. plentiful, T. nil.	Village.
4	Pasrur <i>E. good.</i>	8	4	46	4	.....	Across Ravi drainage. .....	.....	Ditto	Village, pass Nawadi 1½ miles, Murdana 6½ miles.
5	Dodha or Thaleh <i>E. good.</i>	13	..	59	4	Country flooded during rains, road fair. .....	.....	.....	Ditto	Village.
6	Reyah <i>B., E. good.</i>	8	..	67	4	.....	.....	.....	Ditto	Village, pass Amkra, 4½ miles, Thurpal 7 miles.
7	Ajnala <i>E. good.</i>	9	6	72 77 75	2 6	Country open, level, cultivated, nullahs bridged road fair, through low ground.	 Ravi ferry. Baree Doab and Husli canals both bridged. .....	.....	S. after notice, W. from wells, T. nil.	Ditto.
8	Raja Sansee	8	4	85	6	.....	.....	.....	S. must be collected, W. plentiful, T. nil.	Ditto.
9	Amritsar <i>P. O., T. O., Hotel, C. E.</i>	7	4	93	2	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Small Cantonment, Civil Station and City, also Junction Station on N.-W. Railway.

Branch Railway hence *via* Batala 24 miles, Gurdaspur 44 miles, to Pathankot 67 miles.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL,						
		m.	f.						
III JAMMU to LAHORE and MIAN MIR by EMINABAD—									
1	Jammu <i>P. O., T. O., D. B., C.</i>	..	0 ..	Metalled road	Across Chenab drainage.	 Tawi bridge. Balal ford.	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State, Railway Station on left bank Tawi river.
	Runbir Singhpur <i>P. O., T. O.—</i>	14 ..	14 ..	.....	.....	.....	898	S. and W. scarce, T. nil.	Railway Station on branch line.
	Sialkot <i>P. O., T. O., D. B., C., E. good.—</i>	13 ..	27 .. 31 4	Country level open and well cultivated, cart-road fairly good but very swampy in rains, nullahs bridged.	..... .....	Aik bridge,	829	S, G. F. and W. plentiful, T. ample.	Cantonment, Civil Station and Railway Station on branch line.
3	Bhalowala <i>E. good.—</i>	12 4	39 4	.....	.....	.....	.. ..	S. after notice, W. plentiful, T. nil.	Village.
4	Dharmkot <i>E. good.—</i>	13 5	53 1	.....	.....	.....	.....	S. after notice, W. plentiful, T. nil.	Village, cross road to Gujranwala 11 miles.
5	Eminabad <i>P. O., D. B., E. good.</i>	13 2	66 3	.....	Across Ravi drainage.	.....	.....	S. after notice, W. from wells, T. available.	Small town.

6	Kamoke <i>P. O., T. O., E. good.—</i>	5 ..	71 3	Grand Trunk Road.	.....	.. ..	.....	Ditto, T. nil.	Village and Station on N.-W. Railway. Ditto.
7	Muridki <i>P. O., T. O., E. good.—</i>	12 3	83 6	.....	.....	.. ..	.....	Ditto	
8	Shahdera <i>P. O., T. O., E. good.—</i>	13 ..	96 6 97 6	..... .....	..... .....	..... .....	Ravi railway bridge and ferry.	Ditto	Ditto.
9	Lahore <i>P. O., T. O., Hotels, C.</i>	2 5	99 3 102 3	..... .....	..... .....	..... .....	Canal bridge	S. G. F. and W. abundant, T. ample.	Capital of Punjab, Civil Station, large city, and ditto.
10	Mian Mir <i>P. O., T. O., D. B., C., E. good.—</i>	6 ..	105 3	.....	.....	.....	.....	Ditto	Large Military Cantonment and ditto.

IV JAMMU TO GUJRANWALA by SIALKOT—

1	Jammu <i>P. O., T. O., D. B., C.</i>	..	0 .. 1 4 6 ..	Metalled road	Across Chenab drainage.	 Tawi bridge, Balal ford.	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State, Railway Station on left bank Tawi river. Railway Station on branch line.
2	Runbir Singhpur <i>P. O., T. O.—</i>	14 ..	14 ..	.....	.....	.....	898	S. and W. scarce, T. nil.	
3	Sialkot <i>P. O., T. O., D. B., C., E. good.—</i>	13 ..	27 ..	Country level, open, well cultivated, road raised and fairly good.	.....	.....	829	S. G. F. and W. abundant, T. ample.	Cantonment. Civil Station, City and ditto.
3	Ghuwenki <i>E. good.—</i>	9 4	31 4 36 4	..... .....	..... .....	Aik bridge. .....	.....	S. after notice, W. from wells, T. nil.	Small village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.	m. f.						
IV	<i>ROUTE—contd.</i>	...	36	4	.....	Across Chenab drainage.	.....	.....	S. G. F. and W. plentiful, T. available.	Village.
4	Duska <i>E. tolerable.—</i>	...	46	...	Road heavy after much rain.	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Small Civil Station and town on the G. T. Road, also Station N.-W. Ry.
5	Gujranwala <i>P. O., 9th O., D. B., E. good.—</i>	16	62	2	.....	.....	.....	.....		

V JAMMU to WUZIRABAD by SIALKOT—

Jammu <i>P. O., T. O., D. B., C.</i>	...	...	0	...	Metalled road	Down Chenab drainage.	.....	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State, Railway Station left bank Tawi river.
1	Runbir Singhpur <i>P. O., T. O.—</i>	14	14	...	.....	.....	.....	898	S. and W. scarce, T. nil.	Railway Station on branch line.
2	Sialkot <i>P. O., T. O., D. B., C., E. good.—</i>	13	27	...	.....	.....	.....	829	S. G. F. and W. abundant, T. ample.	Cantonment, Civil Station and City also Station on branch line.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
VI	<i>ROUTE—contd.</i>	12 ...	53 3	.....	Across Chenab drainage.	.....	.....	S. after notice, T. nil	Village.
6	Dulanwala	10 ...	63 3	.....	.....	.....	.....	S. G. F. and W. plentiful, T. ample.	Small town and bazar, also Station on branch line.
7	Dinguh <i>P. O., T. O., D. B.—</i>	12 5	76 ...	.....	Across Jhelum drainage.	.....	.....	S. G. F. after notice, W. procurable, T. nil.	Village.
8	Moong	13 ...	89 ...	Rough cart road ...	.....	.....	.....	Ditto	Ditto.
9	Majee	9 ...	98 ...	.....	.....	.....	693	Ditto	Ditto, and Station on branch line.
10	Malukwal <i>P. O., T. O.—</i>	10 ...	108 ...	.....	.....	.....	731	S. G. F. and W. plentiful, T. available	Town near Salt Mines with large trade, Station on branch line.
11	Miani <i>B—</i>	9 ...	117 ...	.....	.....	.....	.....	.....	.....
12	Pind-Dadun Khan <i>P. O., T. O., D. B., C. E.</i>	... 7	121 ... 124 5	.....	.....	Jhelum bridge of boats and ferry.	.....	.....	.....

From Jammu, branch rail to Wuzirabad 51 miles, N.-W. main line to Lala Musa 20 miles, branch rail to Pind-Dadun Khan 57 miles. Total by railway 128 miles—crossing Jhelum river by Nizam-chuk bridge.

From Muhutah 8 miles to Jhalpur and 9 miles to Gujrat. Total 17 miles good road. Muhutah and Nowshera on right bank of Chenab have been washed away by recent high floods.

The Rock Salt Mines at Khewra are 9 miles distant by road from Pind-Dadun Khan. There is also a branch line from Malukwal over the Jhelum railway bridge at Chuk Nizam to Harampur 6 miles, and thence to Pind-Dadun Khan 6 miles, also another branch from Harampur to Khewra, 9 miles.

VIa GUJRAT to PIND-DADUN KHAN by PHALIAN—

5	Gujrat <i>P. O., T. O., D. B., C., E. on G. T. road.— Koonjah</i>	...	...	53	3	Fair road	...	Down Chenab drainage.	.....	.....	S. G. F. and W. abundant, T. ample.	Small Civil Station, City and Railway station on N.-W. main line.
6	Mughowal <i>E.—</i>	...	12	5	66	...	Rough cart road...	.....	... ..	.....	S. after notice, W. plentiful, T. nil. Ditto.	Village.
7	Pariwala <i>E.—</i>	...	9	...	75	...	.....	.....	.....	.....	Ditto.	
8	Phalian <i>P. O., B., E.—</i>	...	13	4	88	4	Good cart road	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Large village.
9	Kothiala Shekhan <i>E.—</i>	...	11	4	100	...	.....	Across Jhelum drainage.	.....	.....	S. after notice, W. plentiful, T. nil.	Village.
10	Miani <i>B.—</i>	...	20	...	120	...	.....	.....	.....	.....	S. G. F. W. T. plentiful.	Ditto.
11	Pind-Dadun Khan <i>P. O., T. O., D. B., C., E.—</i>	...	7	5	127	5	.....	.....	Jhelum boat bridge and ferry.	731	S. G. F. and W. plentiful, T. available.	Town near Salt Mines with large trade, Station on Branch Railway.

VII JAMMU to JHELMUM by DAULAT NAGAR—

	Jammu <i>P. O., T. O., D. B., C.</i>	...	...	0	...	Country open and cultivated, rough track over low ground, on right bank Chenab river.	Across Chenab drainage.	.....	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State.
1	Gujansu <i>...</i>	...	11	...	11	...	.....	.....	.....	S. must be collected, G. and W. plentiful, T. nil.	Village on left bank Chenab river.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
VII	<i>ROUTE—contd.</i>	11	11	.....	Across Chenab drainage.	Chenab ferry and 5 offshoots	.....	S. scarce, G. and W. plentiful, T. nil.	Village on right bank Chenab offshoot.
2	Amirpur	12	23	Rough cart-road	.....	Tawi ford.	.....	S. procurable, G. and W. plentiful, T. available.	Small town.
3	Minawar <i>P. O., B., E.—</i>	7	30	.....	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Large village.
4	Kureeanwala <i>P. O., E. good.—</i>	10	40	Fair road from mile 32.	.....	Bhundur ford.	.....	S. G. F. and W. procurable, T. nil.	Ditto.
5	Daulatnagar <i>P. O., D. B.—</i>	12	52	Good road, but very sandy in crossing river beds.	.....	Bhimber ford.	1029	S. G. F. and W. plentiful, T. available.	Large village and Station on N.-W. Railway.
6	Kharian Serai <i>P. O., T. O., D. B., C., E. good.—</i>	14	67	Join the Grand Trunk Road.	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Naurangabad village and Karyala Station on N.-W. Ry.
7	Alumgir Serai <i>P. O., T. O., E. good.</i>	9	76	.....	Kharian Pass over Pabbi range.	.....	.....	Ditto	.....
			78	.....	Across Jhelum drainage.	Jhelum railway bridge.	.....	.....	.....

8	Jhelum <i>P. O., T. O., D. B., C. E. good.—</i>	4	4	81		Ditto		827	S. G. F. and W. abundant, T. ample.	Cantonment, Civil Station and City, also Railway Station on N.-W. main line.
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VIII JAMMU to JHELUM by BHIMBER—

	Jammu <i>P. O., T. O., D. B. C.</i>	0	...	...	Country open and well cultivated.	Across Chenab drainage.		1200	S. G. F. and W. abundant, T. ample.	Large town and capital of the Jammu State.
1	Aknoor <i>P. O., F. B.—</i>	16	...	16	Rough cart. track, very sandy at river crossings.	.....	Chenab ferry	1142	S. G. F. and W. plentiful, T. available.	Small town, bazar and fort on right bank Chenab.
2	Amirpur <i>E.—</i>	16	...	32	.....	.....	.....	.....	S. scarce, G. and W. plentiful, T. nil.	Village.
3	Minawur <i>P. O., E.—</i>	7	...	37	.....	.....	Tawi ford.	.....	S. procurable, G. and W. plentiful, T. available.	Small town and tehsil.
4	Barnali <i>E.—</i>	18	...	52	.....	Across Bhim- ber drainage.	.....	.....	S. scarce, G. and W. plentiful, T. nil.	Village.
5	Bringham <i>E.—</i>	12	...	60	.....	.....	Bhundur ford	.....	S. scarce, G. and W. plentiful, T. nil.	Ditto.
				64	.....	.....	.....	.....		
				68	.....	.....	Bhimber ford	.....		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
VIII	<i>ROUTE—contd.</i>	...	68 ...						
6	Bhimber <i>P. O., B., E.—</i> <i>Chunee Gotreala</i>	...	69 ...	Country track ...	Across Bhimber drainage	.....	1100	S. G. F. and W. plentiful, T. available	Small Town, headquarters of district.
7	Besuh Khoord ... <i>Naurangabad</i>	16 ...	85 ...	.....	Across Jhelum drainage.	.....	.....	S. scarce, G. and W. plentiful, T. nil.	Village.
8	Jhelum ... <i>P. O., T. O., D. B., C., E. good.—</i>	13 ...	98 ...	Join Grand Trunk Road. .....	.....	.....	827	S. G. F. and W. abundant, T. ample.	Cantonment, Civil Station and City, also Railway Station on N.W. main line.

VIIIa BHIMBER to RAWUL PINDI by MIRPUR—

6	Bhimber ... <i>P. O., B., E.—</i>	...	69 ...	Country undulating and much cut up by ravines.	Across Bhimber drainage.	.....	1100	S. G. F. and W. plentiful, T. available.	Small Town and head-quarters of district.
	Sukasin ...	...	78 ...	Track across drainage.	Ditto	Branch of Sukatar.	.....		

7	Selar	...	14	...	83	...		Across Poonch drainage.		Branch of Sukatar.			S. scarce and G. F. W. plentiful, T. nil.	Village.
8	Mirpur <i>P. O., B., E.—</i>	...	15	...	98	...	Fair hill road	.....	.....	.....	1236	S. G. F. and W. plentiful, T. available	Town of some size, and large bazar.	
9	Chaomukh <i>P. O., E.—</i>	...	10	...	108	...	Hill Track	Seusar Pass	Poonch Toi or Palasta ferry.	.....	1202	S. G. F. and W. plentiful, T. available.		
10	Hil	...	10	...	118	...	.....	Across Jhelum drainage.	Jhelum ferry	.....	.....	S. nil, W. from river, T. nil.		
11	Bewal <i>E.—</i>	...	13	...	131	...	Fair road over broken ground.	.....	.....	.....	.....	S. after notice, G. and W. procurable, T. nil.	Village.	
12	Kalar <i>E.—</i> <i>Manikiala</i>	...	8	...	139	...	.....	.....	.....	.....	1790	S. G. F. and W. plentiful, T. available.	Large place.	
		...	...	...	149	...	.....	Across Solhan drainage.	.....	.....	1916	.....	Ancient tope.	
13	Rewat <i>P. O., T. O., B., E.—</i>	...	14	4	153	4	Grand Trunk Road	.....	.....	.....	1871	S. scarce, W. scarce. T. nil	Village and Station on N.-W. Railway	
14	Rawul Pindi <i>P. O., T. O., D. B., Hotels, C., E.—</i>	...	13	4	167	...	.....	.....	.....	.....	1700	S. G. F. and W. abundant, T. ample.	Large Cantonment Civil Station and City, also Railway Station on N.-W. main line.	

From Bhimber 69 miles, another track to Kalaris 87 miles and to Mirpur 100 miles.

From Sukasin 78 miles there is a track by Alibeg to Sukchainpur on left bank Jhelum river 88 miles, whence Jhelum City is distant 10 miles or 98 miles and Mirpur 15 miles or 103 miles from Jammu.

Between Chaomukh and Kalar there is an alternative route by the Danguli or Palalan ferry over the Jhelum river, Chaomukh, 108 miles; Samor, 118 miles; Palalan, 128 miles; Kalar, 141 miles.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
IX JAMMU to RAWUL PINDI by KOTLI--									
1	Jammu P. O., T. O., D. B.—	...	0 ...	Country open and cultivated, rough cart road.	Across Chenab valley.	.....	1200	S. G. F. W. and T. ample.	Large town and capital of Jammu state
	Aknoor P. O., F. B.—	16 ...	16 ...	.....	.....	Chenab ferry	1142	S. G. F. W. plentiful, T. available.	Small town and bazar on right bank Chenab.
2	Choki Chowra E.—	13 4	26 ... 29 4	Fair hill road used by troops in marching to Sri- nagar by Pir Punjal.	Ambi Pass.	Kurna Khad	2150	S. G. F. after notice, W. procurable, T. nil.	Halting place.
3	Thanda Pani B., E.—	12 4	34 ... 42 ...	.....	Kalidhar range.	Rud bridge and ford.	1460	S. scarce, W. plentiful, T. nil.	Village 1 mile dis- tant.
4	Siot	10 ...	52 ...	Track across bro- ken ground.	Up Tawi valley.	.....	.....	S. scarce, T. nil.	Village.
5	Naoshera P. O., B., C.—	12 ...	64 ...	.....	.....	Tawi ford ...	.....	S. G. F. W. plentiful, T. available.	Town and bazar 300ft. above right bank Tawi.
		...	77 ...	Fair hill road fit for mules on a fine plain, well cultivated.	Makri range	.....	3000		

6	Laroka	...	15	...	79	...	Down Ban valley	.....	.....	.....	S. scarce, T. nil.	Village.
7	Koireta	...	10	...	89	...	.....	.....	.....	.....	S. G. F. precarious, W. from wells, T. available.	Village.
	<i>Dhanna</i>	...	...	...	97	...	.....	.....	.....	.....	.....	Ditto.
8	Kotli <i>P. O., B., E.—</i>	...	16	...	100	...	.....	.....	.....	.....	S. G. F. plentiful, W. from springs, T. available.	Town of 300 houses and bazar.
9	Sensar <i>E.—</i>	...	13	...	105	...	Poonch valley.	Poonch Toi or Palasta ferry.	3158	2320	 W. T. S. G. F. procurable.	Baolion Pass. Village and thanna.
10	Salgraon	...	12	...	106	...	.....	.....	.....	.....	S. G. F. scarce, W. plentiful, T. nil.	Village.
11	Thoa <i>E.—</i> <i>Chinam</i>	...	12	...	114	...	Rough stony track, difficult for mules.	.....	.....	.....	S. G. F. procurable, T. available.	Village.
		...	...	...	118	...	Steep ascent	.....	.....	.....	.....	.....
		...	...	...	123	...	.....	.....	.....	.....	.....	.....
		...	...	...	130	...	Fair track across broken ground.	.....	.....	.....	.....	.....
		...	...	...	142	...	.....	.....	.....	.....	.....	.....
		...	...	...	147	...	Grand Trunk Road.	.....	.....	.....	.....	.....
12	Rewat <i>P. O., T. O., B., E.—</i>	...	15	4	157	4	.....	.....	.....	.....	S. G. F. W. scarce, T. nil.	Village and Station on N. W. Ry.
13	Rawul Pindi <i>P. O., T. O., D. B. C., E.</i>	...	13	4	166	...	.....	.....	.....	.....	S. G. F. T. abundant, W. precarious.	Large Cantonment, Civil Station, City and Railway Sta- tion on N. W. main line. Water supply being added.

Between Naoshera and Koireta, there is an alternative track by Dooral Pass and down the Ban valley by Seri—viz., Naoshera 64 miles, Dooral 74, Seri 83, Koireta 88 miles, Kotli 104 miles.

From Sensar there is an alternative track by Owen ferry and Kahoota to Rawul Pindi—viz., Sensar 118 miles, Owen ferry over Jhelum River 13 miles, Kahoota 147 miles, Siala 160 miles, Rawul Pindi 171 miles.

From Sensar there is a track 10 miles long to Samor falling into the route from Bhimber by Palalan ferry to Rawul Pindi.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSING AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
IX^a KOTLI to ABBOTTABAD by MURREE—									
8	Kotli <i>P. O., B., E. good —</i>	...	105 ...	Rough stony hill track, difficult for mules.	A cross Poonch valley.	.....	2000	S. G. F. plentiful, W. from springs, T. available.	Town and tehsil, large bazar.
9	Sarsawa <i>E.—</i>	6 ...	106 ...	... ..	.....	Poonch T o i or Palasta ferry.	.....	S. G. F. after notice, W. procurable, T. nil.	Village.
10	Palandri <i>P. O., E.—</i>	16 ...	127 ...	.....	.....	.. ...	4250	Ditto, T. available.	Fort and tehsil.
11	Mangh <i>E.—</i>	11 ...	138 ...	.....	Palandri ridge Up Jhelum valley.	Goon ford.	.....	Ditto, T. nil.	Village and fort.
12	Tain <i>E.—</i>	10 ...	148 ...	... ..	.....	.....	.....	Ditto "	Ditto.
	<i>Dhara</i>	...	152 ...	.....	... ..	Jhelum ferry.			

13	Dhanda <i>E.—</i>	..	11	...	159	...	Fair hill track, passable for mules.	.....	.....	.....	Ditto "	Ditto.
14	Murree <i>P. O., T. O., Hotels C.</i>	...	13	...	172	...	Across hilly country, road fair for riding and mules.	Murree range	.....	7108	S. G. F. W. plentiful, T. ample.	Summer Canton- ment, Sanitarium and large bazar.
15	Nagri <i>B.—</i>	...	13	2	185	2	.....	Across Hurroo valley	Branch Hurroo ford.	.....	S. G. F. after notice, W. plentiful, T. nil.	Village.
	<i>Mari</i> <i>B.—</i>	...	...	...	188	6	.....	Mari ridge.				
16	Sajkot	...	10	...	195	2	Nullahs easy	Across Dohr valley.	.....	.....	S. G. F. after notice, W. plentiful, T. nil.	Village.
					103	2	.....	.....	Dohr ford.			
17	Abbottabad <i>P. O., T. O., D. B., C. B.—</i>	...	16	4	211	6	.....	.....	.....	4166	S. G. F. and W. plentiful, T. available.	Cantonment, Civil Station, town and bazar.

This is the lower road from Murree to Abbottabad. It leaves the main road from Murree towards Rawul Pindi at 4 miles 4 furlongs, descends by a steep zig-zag, crosses two branches of the Hurroo river with Garini between and from Nagri Dhoondhan ascends easily in 3 miles 4 furlongs to Mari ridge, then descends and crosses the Hurroo river at 1 mile 4 furlongs beyond. From Sajkot it ascends a low ridge and descends down the Godawala nullah to the Dohr river, which it crosses between Rajoia and Haveliyan.

From the Mari bungalow there is a direct road along the top of mountain spur to Chunglagully, distant about 7 miles, and passable for mules.

From Sajkot, a road ascends the ridge to Kalabagh on the upper road, distant about 10 miles.

From Sajkot, a road runs past Nara Police Station, 3 miles, southwards to Hurripur, distant about 25 miles.

For the upper road from Murree to Abbottabad by the gullies, see Route XXVII.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
X JAMMU to GILGIT by KOTLI and KISHENGUNGA VALLEY—									
1	Jammu <i>P. O., T.O., D. B.—</i>	...	0 ...	Country open and cultivated, rough cart-road.	Across Chenab valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Large Town and Capital of Jammu State.
	Aknoor <i>P. O., F. B.—</i>	16 ...	16 ...	Fair hill road used by troops in marching to Srinagar <i>via</i> Pir Punjal Pass.	.....	Chenab ferry	1142	S. G. F. and W. plentiful, T. available.	Small town and bazar on right bank of Chenab river.
2	Choki Chowtra <i>E.—</i>	13 4	29 4	.....	.....	Kurna Khud	2150	S. G. F. after notice, W. procurable, T. nil.	
	Thandapani <i>B., E.—</i>	12 4	42 ...	.....	Kalidhar range.	Rud bridge and ford.	1460	S. scarce, W. plentiful, T. nil.	Village 1 mile off.
4	Siot	10 ...	52 ...	Track across broken ground.	Up Tawi valley.	.....	...	S. scarce, T. nil.	Village.
5	Naoshera <i>P. O., B., C.—</i>	12 ...	64 ...	Fair hill road fit for mules on a fine plain, well cultivated.	.....	Tawi ford	.....	S. G. F. and W. plentiful, T. available.	Town and bazar.
			77 ...		Makri range	.....	3000		

Laroka	...	15	...	79	...	.....	Down Ban valley.	.....	.....	S. scarce, T. nil.	
Koireta	...	10	...	89	...	.....	.....	...	2500	S. precarious, W. from wells, T. available, W. scarce.	Village.
<i>Dhanna</i>	...	...	...	97	...	.....	.....	Ban ford.			
Kotli <i>P. O., B., E.—</i>	...	16	...	105	...	Rough stony hill track, difficult for mules.	Across Poonch valley.	.....	2000	S. plentiful, W. from springs, T. available.	Village and town of 300 houses, bazar and tehsil.
Sarsawa <i>E.—</i>	...	6	..	111	...	.....	.....	Poonch T o i or Palasta ferry.	.....	S. after notice, W. procurable, T. nil.	Village.
Palandri <i>P. O., E.—</i>	...	16	...	127 128 133	...	.....	Palandri range .....	.....	4250	Ditto, T. available.	Fort and tehsil.
Mangh <i>E.—</i>	...	11	...	138	...	.....	Up Jhelum valley.	.....	.....	Ditto, T. nil.	Village and ort.
Tain <i>E.—</i>	...	10	...	148	...	...	.....	.....	.....	Ditto	Ditto.
Khodar	...	9	...	150 157	...	.....	.....	Mal or Bagh bridge, Jhelum ferry	.....	S. from Jhanjhana, W. from river, T. nil.	Jhanjhana village.
Kohala <i>P. O., D. B.—</i>	...	12	...	169	...	...	.....	.....	1915	S. G. F. and W. plentiful, T. after notice.	Small bazar, border of Kashmir.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
X	ROUTE—contd.	...	169 ...	Kashmir metalled and bridged road.	Up Jhelum valley.				
	<i>Barsala B.—</i>	...	170 2	....	....	Agar bridge	2029		
15	Dulai D. B.—	12 ...	177 3	....	....	....	2105	S. scarce, F. and W. plentiful, T. nil.	Village.
16	Dumel P. O., T. O., D. B., E.—	9 2	181 ...	....	....	Jhelum bridge	2225	S. G. F. and W. procurable, T. after notice.	Village and bazar at junction of Kishengunga.
	<i>Mozufferabad</i>	...	192 ...	....	Up Kishengunga valley left bank.	....	2470	.....	Town on left bank Kishengunga bazar, head-quarters of district.
17	Nuraseri	12 6	203 ...	Hill track passable for laden mules, though difficult in parts, especially for 6 miles at Titwal, 7 miles near Doarian, 13 miles between Shardi and Khel and 21 miles over the Shontar Pass.	....	....	2750	S. W. F. G. plentiful, T. nil.	Village.
18	Punjgram	7 4	210 4		....	....	2900	S. W. F. G. plentiful, T. available.	
19	Nowsada	9 ...	219 4		....	...	3425	Ditto, T. nil.	
20	Titwal E.—	6 4	225 ...		...	Karna.	3250		
		...	226 ...		....	....		S. W. F. G. plentiful, T. available.	Village and telsil.

21	Phalak	...	6	...	232	...	.....	.....	.....	3550	S. W. G. F. plentiful, T. available.	Village.
22	Rampura	...	6	...	238	...	.....	.....	.....	4050	Ditto, T. nil.	
	<i>Salkala</i>	...	...	...	242	4	.....	Cross to right bank.	Kishengunga Jhula bridge.			
23	Shahkot	...	6	...	244	...	.....	.....	.....	4300	Ditto	Ditto.
24	Karen	...	8	...	252	...	.....	.....	Wooden bridge over Kishengunga.	4650	Ditto, T. available.	Ditto.
25	Doarian	...	7	...	259	...	.....	.....	.....	5050	Ditto	Ditto.
26	Dudnial	...	7	...	266	...	.....	.....	.....	5950	Ditto, T. nil.	
27	Khari gam or Shardi. <i>E.—</i>	...	9	...	275	...	.....	.....	.....	5850	S. procurable, W. G. F. plentiful, T. available.	Village and fort.
28	Seri	...	7	...	282	...	.....	.....	.....	6000	No supplies, W. G. F. plentiful, T. nil.	
29	Khel <i>E.—</i>	...	8	...	290	...	.....	Up Khel valley.	.....	6250	S. scanty, ditto.	Village.
30	Dumel <i>E.—</i>	...	8	...	298	...	.....	.....	.....	7300	S. nil,	"
31	Bala <i>Chandbilli</i>	...	8	...	306	...	.....	Shorant Pass Down Mir Malik valley.	.....	10000	Ditto	Southern foot of Pass.
		...	...	...	312	...	Easy hill track passable for mules.	.....	.....	15000	Ditto	Northern foot of Pass.
32	Shingardodar	...	12	...	318	...	.....	.....	Dabin ford	10500		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
X	<i>ROUTE—contd.</i>	12	318						
33	Mir Malik <i>E.—</i>	8	326	.....	.....	.....	9400	S. procurable, W. G. F. plentiful, T. nil.	Small village.
	<i>Rattu</i>	...	333	.....	.....	.....	8500	.....	Village.
34	Chugaon <i>E. confined.—</i>	10	336	.....	Down Astor valley left bank.	.....	8750	S. and G. scanty, W. and E. procurable, T. nil.	Ditto.
35	Gurikot <i>E. confined.—</i>	10	347	Join new 10ft. road from Srinagar by Guraïs and Astor to Gilgit, fully bridged and of easy gradients.	.....	Astor bridge	7800	Ditto	Ditto.
36	Astor (Idgah) <i>P.O., T.O., B., E. Polo ground.—</i>	7	354		.....	.....	7800	S. and G. procurable, W. and F. plentiful, T. moderate.	Village, fort and bazar, bungalow will be built.
	<i>Harcho</i>	...	363						
37	Dashkin <i>E. confined.—</i>	15	369	.....	.....	.....	.....	Ditto, T. available.	Village.
38	Doian <i>R. B., E.—</i>	11	380	.....	...	.....	.....	Ditto, T. nil.	Ditto.
39	Ramghat	10	390	.....	.....	Astor bridge	.....	S. G. F. nil, W. plentiful, T. nil.	Guard House.

40	Bawanji <i>P. O., T. O., B., E.—</i>	...	7	4	398	...	.....	Up Indus valley left bank.	.....	4635	S. and G. procurable, W. plentiful, F. scarce, T. available.	Village and bazar with fort.
41	Pertabpul <i>C., E.—</i>	...	7	...	405	...	.....	.....	Indus bridge wire rope suspension.	.....	S. G. F. nil, W. plentiful, T. nil.	
42	Safedpari	...	10	...	415	...	.....	Up Gilgit valley right bank.	.....	.....	Ditto.	
43	Minawar	...	10	...	425	...	.....	.....	.....	.....	Ditto.	
44	Gilgit <i>P. O., T. O., E.—</i>	...	9	..	431	...	.....	.....	.....	4890	S. G. F. W. moderate, T. available.	Military Canton- ment, fort and bazar.

East of Shontar Pass there is another gully which has been partially explored and is said to be 13,500 feet high. There is snow along this route between Shardi and Astor 80 miles during the winter, and the Shontar gully is then impassable. This road is usually closed for half the year. There is plenty of grass and wood fuel from Jammu to Astor, abundant water throughout, and supplies are procurable. Through transport is necessary from Jammu to Gilgit, with occasional aid from Naoshera, Kotli, Mozufferabad, and Astor.

From Doarian 260 miles, there is a road up the valley of same name which branches by 2 passes, Doarian and Rattigulli into the Khagan valley.

X^a PARALLEL ROUTE MOZUFFERABAD TO KAREN by RIGHT BANK KISHENGUNGA RIVER—

16	Mozufferabad <i>P. O., E.—</i>	...	...	...	192	Country undulat- ing, well cultivat- ed, fair road to Pala, hence diffi- cult for laden mules.	 Up Kishengunga valley right bank.	...	2470	S. W. G. F. plentiful, T. moderate.	Town and bazar, head-quarters of district.
17	Kowri <i>E.—</i>	...	8	...	200	...	.....	.....	...	Ditto	Large village.
18	Pala <i>E.—</i>	...	7	...	207	...	.....	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA-LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
Xa 19	<i>ROUTE—contd.</i>	...	...	.....	.....	.....	.....	S. scarce, W. G. F. plentiful, T. nil.	
	Jaggian	12 ...	207 ... 219 ... 225 ...	.....	Sarango Pass	.....	.....	Ditto, T. available.	Village.
20	Patian <i>E.—</i>	12 ..	231 ...	.....	.....	Jagran	...		
21	Shahkot <i>E.—</i>	7 ...	238 ...	.....	.....	.....	4300	S. W. G. F. plentiful, T. nil.	Ditto.
22	Karen <i>E.—</i>	8 ...	246 ...	.....	.....	Kishengunga wooden bridge	4650	Ditto, T. available.	Ditto.

From Kowri 200 miles, there is a fair road for pack animals over the Galootia gully, 208 miles, to Balakot, 218 miles, in the Khagan valley.
From Patian 231 miles, there is a road up the Jagran valley eastwards which leads by 3 passes, Bidela, Shikara and Torgulli into the Khagan valley.

Xb SHARDI to GURAIS ACROSS HILLS—

27	Shardi <i>E.—</i>	...	...	275 ...	Rough mountain path not passable for mules across four mountain spurs and intervening valleys.		Kishengunga bridge.	5850 11000	S. procurable, W. G. F. plentiful, T. available.	Fort on left bank Kishengunga.
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28	Moktah Malik-ka- <i>E.—</i> kothi.	11	...	286	...				W. G. F. plentiful, T. nil.	
29	Camp	10	...	296	...		Spur ridge		Ditto	In open forest about 1800 feet above Thien.
30	Thien <i>E.—</i>	6	...	302	...	.....	.....	.....	S. from Kroras, W. G. F. plentiful, few coolies.	Village at junction of Kretsinar and Zemindhar Khan nullahs.
31	Matsil <i>E.—</i>	13	...	315	...	.....	Spur ridge	.....	S. scanty, W. G. F. plentiful, T. nil.	Village.
	<i>Dudi</i>	...	...	324	...	.....	.....	Tsandan Khol torrent.	.....	
32	Geshart <i>E.—</i>	16	...	331	...	.....	Naosara ridge	Hauti nullah.	S. nil, W. G. F. plentiful, T. nil.	
	<i>Bakthaor</i>	...	...	335	...	.....	.....	.....	.....	
33	Kanzilwan <i>E.—</i>	7	...	342	...	Join new road Sri- nagar to Gurais.	Up Kishen- gunga valley.	Kishengunga bridge.	Ditto.	
34	Gurais <i>P. O., B., C., E.—</i>	12	...	354	...	.....	.....	.....	S. W. G. F. plentiful, T. moderate.	Large village, fort and tehsil.

Xc KHEL to GURAI S UP KISHENGUNGA VALLEY —

29	Khel <i>E.—</i>	...	...	290	...	Rough hill path difficult for men and impassable for laden animals	Up Kishen- gunga valley.	...	S. scanty, W. G. F. plentiful, T. nil.	6250
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
Xc	<i>ROUTE—contd.</i>	...	290 ...						
30	Phulmai <i>Sirdari</i>	13 ...	303 ...	 Rough path pass- able for mules.	..... ..... .....	Phulmai ford. ..... .....	..... ..... .....	W. G. F. plentiful, T. nil. S. scanty, W. G. F. plentiful, few coolies.	Village. Ditto.
31	Thaobut <i>E.—</i>	10 ...	313 ...	.....	.....	.....	7400	S. nil, W. G. F. plentiful, T. nil.	Ditto.
32	Kanzilwan <i>E.—</i>	10 ...	323 ...	New road from Srinagar to Gurais.	.....	.....	7800	S. W. G. F. plentiful, T. moderate.	Fort and tehsil.
33	Gurais <i>P. O., B., C. E.—</i>	12 ...	335 ...	.....	.....	.....			

A path ascends the Phulmai nulla over the Dohban Pir Pass 14,000 feet and descends down to Shingar Dodar about 22 miles in length.

XI JAMMU to POONCH by KOTLI—

Jammu <i>P. O., T. O., D. B.—</i>	...	...	0	...	Country open and cultivated, rough cart-road.	Across Chenab valley.		1200	S. G. F. and W. abundant, T. ample.	Large town and capital of Jammu State.
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1	Aknoor <i>P. O., F. B.—</i>	16	...	16	...	Fair hill road used by troops in marching from Jammu to Srinagar by Pir Punjal Pass.	 Ambi Pass. Kalidhar range.	Chenab ferry	1142	S. G. F. and W. plentiful, T. available.	Small town and bazar on right bank of Chenab.
2	Choki Chowra <i>E.—</i>	13	4	26 29 34	4 ...	.....	Up Tawi valley.	Kurna Khud	2150	S. F. G. after notice, W. procurable, T. nil.	Halting place.
3	Thandapani <i>B., E.—</i>	12	4	42	...	.....	.....	Rud bridge and ford.	1460	S. scarce, W. plentiful, T. nil.	Village 1 mile off.
4	Siot	10	..	52	...	Track across braken ground.	.....	.....	.....	S. scarce, T. nil.	Village.
5	Naoshera <i>P. O., B., E.—</i>	12	...	64	...	.....	.....	Tawi ford	.....	S. G. F. and W. plentiful, T. available.	Town, bazar and tehsil.
6	Doorai <i>Seri</i>	11	...	75 84	...	Fair hill road fit for mules on a fine plain, well cultivated.	Doorai Pass Down Ban valley. .....	.....	.....	S. scarce, T. nil.	.....
7	Koireta	14	...	89	...	.....	.....	.....	2500	S. precarious, W. from wells, T. available.	Village with ziarat and well.
8	Kotli <i>P. O., B., E.—</i> <i>Tai</i>	16	...	100 105 107 114	.. .. .. ..	Rough stony hill track, passable for mules, but difficult in places.	 Up Poonch valley.	Ban ford. Nela nuddee.	2000	S. G. F. plentiful, W. from springs, T. available.	Town of 300 houses, bazar and tehsil.
9	Saira <i>B.—</i>	14	...	119 122	.. ..	.....	.....	..... Mehndur ford.	2170 3000	150° Fahr. S. G. F. plentiful, W. from river distant, T. available.	Hot springs from limestone rocks on right bank Poonch river, cross by boat. Large village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XI	<i>ROUTE—contd.</i>	...	122						
10	Poonch <i>P. O., D. B., C., E.</i>	16 ...	135 ...	.....	.....	Suran ferry	3300	S. G. F. and W. abundant, T. ample.	Capital of Poonch State, town, fort, large bazar.

From Kotli a track ascends the Dharan Range to the Nillidheri gully 4,200 feet and descends down to Mankot Fort across the Mendola or Mehndur river, about 16 miles in length. After going 3 miles down the latter to Sagra, it ascends the Haveli Range to Soona gully 4,500 feet, and descends into the Suran valley, and after crossing the latter river by a boat ferry reaches Poonch about 12 miles. Total distance 31 miles. From Aknoor there is a road by Berk to the Sangarmarg iron mines which avoids the high ground thus : Jammu to Aknoor 16, Geralti 26, Serai 37, Berk 44, and Sangarmarg 50 miles passable for laden mules.

From Thandapani a road leads by Prat Tehsil to the Mehugala coalfield thus : Thandapani 42, Prat 52, Mehugala 64, Kalakot 70 miles from Jammu. This Route XI was one of the three imperial roads of the Mogul period from the Punjab to Kashmir, and was the one selected for the passage of elephants. From Poonch it continued up the Bitarh valley over the Haji Pir Pass to Uri and thence up the Jhelum valley to Baramulla and Srinagar, for details of which see Route XXX. Though circuitous and of great length, it could be made suitable for a railway and the cultivated Doon country between Aknoor and Kotli would yield traffic.

XII JAMMU to SRINAGAR, by PIR PUNJAL PASS: OLD IMPERIAL ROUTE—

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
	Jammu <i>P. O., T. O., D. B.—</i>	...	0 ...	Country open and cultivated, rough cart road.	Across Chenab valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Large town and capital of the Jammu State.
1	Aknoor <i>P. O., F. B.—</i>	16 ...	16 ...	Fair hill road used by troops and passable for laden mules.	 Ambi Pass.	Chenab ferry.	1142	S. G. F. and W. plentiful, T. available.	Fort, timber depot, small town and bazar on right bank Chenab river.

2	Choki Chowra <i>E.</i> —	13	4	29 34	4 ...	..... .....	..... Kalidhar range. Up Tawi valley.	Kurna Khud	2150	S. G. F. after notice, W. procurable, T. nil.	Halting place.
3	Thandapani <i>B., E.</i> —	12	4	42	...	.....	Cross low spur.	Rud bridge and ford.	1460	S. scarce, W. plentiful, T. nil.	Village 1 mile off.
4	Dhurmsal <i>E.</i> —	10	...	52	...	.....	Cross steep range.	.....	.....	S. procurable, W. plentiful, T. nil.	Village.
5	Sialsui <i>E.</i> —	10	...	62	...	.....	.....	.....	.....	S. scarce, W. plentiful, T. nil.	Ditto.
6	Rajaori (Rampur) <i>P. O., B., C.</i> —	14	...	76	...	.....	.....	Tawi ford bridge un- finished.	3094	S. G. F. and W. plentiful, T. ample.	Town and bazar well built on right bank Tawi. Bon left bank opposite.
7	Thana Mandi <i>B., C., E. small.</i> —	14	...	90 95	... ...	..... .....	..... Ratan Pir	..... .....	8200	S. G. F. and W. plentiful, T. available.	Village, Bon right bank Tawi. Shelter huts on Pass.
8	Baramgalla <i>B., C.</i> —	10	4	100	4	The length between Baramgalla and Shupiyon over the Pir Punjal Pass has got out of order and be- come difficult in places; the scenery is very beautiful.	Up Suran valley.	Purnai bridge waterfall. Cross Suran river by nume- rous bridges.	5800	S. scarce, G. F. W. plentiful, T. nil.	Small village and fort in deep gorge near confluence of Purnai nullah and Suran river.
9	Poshiana <i>B., C., E. on house tops.</i> —	8	4	109	...	.....	.....	.....	8150	S. and W. scarce, G. and F. plentiful, T. nil.	Village deserted in winter months.
10	Aliabad Serai <i>B., C.</i> —	11	...	120	...	.....	Pir Punjal	.....	11400	.....	Shelter huts on pass.
	Dubchi <i>B.</i> —	...	...	128	...	.....	Down Rem- biara valley.	...	10000	S. nil, G. F. W. plentiful, T. nil.	Halting place.
		...	...	129	...	.....	.....	Rupri bridge.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XII.	<i>ROUTE—contd.</i>	...	...						
11	Hirpura <i>E, C.—</i>	12	...	.....	.....	... ..	7700	S. procurable, G. F. W. plentiful, T. nil.	Small village on right bank Rembiara.
12	Shupiyon <i>P. O., B., C, E.—</i>	8	...	Good road in the Kashmir valley with bridges over small nullahs.	Down Jhelum valley.	Rembiara ford Mankund ford Ranchu ford.	6714	S. G. F. W. abundant, T. ample. S. and W. procurable, T. available.	Town, bazar, tehsil, and head-quarters of district.
13	Khanpur <i>C.—</i> <i>Waklor</i>	16	...	.....	.....	.....	.....	S. nil, G. F. and W. procurable, T. nil.	Large village. Capital of Kashmir State, large city, Hari Parbat Fort, Maharajah's Palaces, Residency, several bazars on both banks of Jhelum river.
14	Srinagar <i>P. O., T. O., C. E.—</i>	13	...	.....	.....	Jhelum bridge	5235	S. G. F. W. abundant, T. ample.	

There is no dak bungalow for travellers at Srinagar, but there are a few quarters for residence of visitors, for occupation of which early application in the season to the Assistant Resident in Kashmir at Srinagar should be made.

The Pir Panjal Pass is usually closed by snow from the 15th November to 15th April.

XII^a RAJAORI to POONCH by BHIMBER GULLI—

6	Rajaori (Rampur) <i>P. O., B., C., E.—</i>	...	...	76	Fair hill road, passable for mules.	Tawi valley	.....	3094	S. G. F. and W. plentiful, T. ample.	Town and bazar well built.
7	Derian <i>E.—</i>	14	...	90 92	..... .....	..... Bhimber gulli.	..... .....	..... 5170	S. scarce, G. F. W. plentiful, T. nil.	Village.
	<i>Dharmal</i>	...	...	100	.....	Down Mehndur valley.	Mehndur ford	3000	.....	Tehsil.
8	Mankot <i>E.—</i>	16	...	106	.....	.....	.....	.....	S. and W. plentiful, T. available.	Fort and village.
	<i>Sagra</i>	...	...	109	...	...	...	...	...	...
9	Ban <i>E.—</i>	11	...	117	.....	Poonch valley	.....	.....	S. scarce, W. plentiful, T. nil.	...
10	Poonch <i>P. O., D., B., C., E.—</i>	11	...	128	.....	.....	Suran ferry.	3300	S. G. F. and W. abundant, T. ample.	Capital of Poonch State, fort, town, large bazar.

From Sagra 109 miles a road ascends either to the Soona gulli or to the Chilasi gulli and descends down to the Suran valley, and across this river by boat ferry to Poonch 121 miles.

XII^b ALTERNATIVE ROUTE RAJAORI to SHUPIYON by DARHAL PASS—

6	Rajaori (Rampur) <i>P. O., B., C., E.—</i>	...	...	76	Fair hill road passable for laden mules.	Tawi valley		3094	S. G. F. and W. plentiful, T. ample.	Town and bazar well built.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XIIb	<i>ROUTE—contd.</i>	...	...						
7	Darhal <i>E.—</i>	12 ...	88 ...	.....	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Large village.
8	Beloh <i>E.—</i>	7 ...	95 ...	Pass not open before June.	Ratan Pir range. .....	.....	.....	S. nil, F. procurable, G. and W. plentiful, T. nil.	Shepherds' huts.
9	Aliabad Serai <i>B, C.—</i>	12 ...	107 ...	...	Darhal Pass	Nil Sar, L. Nundun Sar, L.	13080	S. nil, G. F. W. plentiful, T. nil.	Halting place.
10	Hirpura <i>E, C.—</i>	12 ...	116 ...	.....	Jhelum valley.	Rupri bridge.	10000	S. procurable, G. F. W. plentiful, T. nil.	Small village.
11	Shupiyon <i>P. O., B., C., E.—</i>	8 ...	127 ...	.....	.....	.....	6715	S. G. F. and W. abundant, T. ample.	Town, bazar, tehsil and head-quarters of district.

Loop route from Beloh 95 miles crosses another Darhal Pass 13,460 feet, more to the South-East, and descends by the Bhag Sar or Lake to Roopro 103 and Aliabad Serai 112 miles.
These two Darhal Passes are seldom open before June, and close in November on the first fall of snow.

XII^c BARAMGALLA to SRINAGAR by CHHOTI GULLI PASS—

8	Baramgalla <i>C.—</i>	...	...	100	4	Fair hill road passable for laden mules, though not open before July.	Across Suran valley.	Suran ford	5800	S. scarce, G. F. W. plentiful, T. moderate.	Small village.
9	Hilloh	...	10	4	111	...	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Good grazing ground. Two roads from Pass.
10	Kachgal River	...	12	...	115	...	Easy ascent and descent	Chhoti gulli	.....	Ditto.	
11	Pakapura <i>Chrar</i>	...	11	...	134	...	.....	Down Kachgal valley.	.....	S. procurable, G. F. W. plentiful, T. available.	Village.
12	Khanpur <i>C.—</i>	...	10	...	144	...	Good road along well cultivated plain.	Down Jhelum valley.	.....	S. nil, F. and W. procurable, T. nil.	Town and bazar.
13	Srinagar <i>P. O., T. O., C., E.—</i>	...	13	...	157	...	.....	.....	Jhelum bridge	S. G. F. and W. abundant, T. ample.	Capital of Kashmir State, town, fort, and bazar.

From Chhota gulli 115 miles another road leads down the Sangsofed valley to Fras Nag 125 miles, Dragaon 141 miles, and to Srinagar 156 miles also passable for laden animals. The Chhoti gulli Pass is not open before July.

XIII^d POSHIANA to SRINAGAR by CHITTAPANI PASS—

9	Poshiana <i>B., C., E. on house tops.—</i>	...	...	109	...	Rough hill track not open before July.	Up Chitta valley.	Suran ford	8150	S. and W. scarce, G. and F. plentiful, T. nil.	Village deserted in winter.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XIII	<i>ROUTE—contd.</i>	...	109 ...	.....	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Halting place.
10	Chittapani	6 ...	115 ...	.....	.....	.....	14540	S. scarce, G. F. W. plentiful, T. nil.	Village.
11	Sangurwini	12 ...	127 ...	.....	Chittapani Down Kachgal valley.	.....	.....	S. procurable, G. F. W. plentiful, T. available.	Ditto.
12	Pakapura	12 ...	139 ...	.....	.....	.....	6400	.....	Town and bazar.
13	<i>Chrar</i> Khanpur C.—	10 ...	149 ...	Good road over well cultivated plain.	Down Jhelum valley. .....	.....	.....	S. nil, F. and W. procurable, T. nil.	Capital of Kashmir State, large town, fort and bazar.
14	Srinagar P. O., C., E.—	13 ...	162 ...	.....	.....	Jhelum bridge	5235	S. G. F. and W. abundant, T. ample.	

The Chittapani Pass is not open before July, and closes on the first fall of snow in November.

XIII JAMMU to SRINAGAR by BUDIL PASS.

1	Jammu P. O., T. O., D. B.—	...	0 ...	Rough cart-road	Chenab valley.		1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State, large town and bazar.
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2	Aknoor <i>P. O., F. B.—</i>	16 ...	16 ...	Road passable for laden mules throughout.		Chenab ferry	1142	S. G. F. W. plentiful, T. available.	Small town, fort and bazar.
3	Jandrai Kapaion Ki Baoli	7	4	.....	.....	.....	2000	S. nil, W. scarce, F. plentiful, T. nil.	Jungle.
				.....	Jendar gala.	Katundra ford			
		24 ...	27 ...	.....	.....				
		28	4	Stair descent	Dal gala.				
4	Poni <i>E.—</i>	8	4	Steep and stony ascent.	.....	.....	2000	S. and W. plentiful, T. available.	Large village.
		38	...	.....	Chili gala	.....	4000		
		40 ...	44 ...	Fair road	Nar valley	Nar ford	.....	S. G. F. and W. procurable, T. nil.	Village.
5	Jandi, Upper <i>Jaryin</i>	8	...	.....	.....	.....	.....	S. precarious, F. W. procurable, T. nil.	Scattered village.
6	Nar	12	...	.....	.....	.....	7807		
		55	...	.....	Choroo Sira	.....			
7	Bhagoli	8	...	Road stony and bad	Ans valley	.....	.....	S. nil, F. and W. plentiful, T. nil.	One or two huts.
		62	4	.....	.....	Ans bridge.			
8	Budil <i>E.—</i>	5	...	.....	.....	.. ...	.....	S. G. F. and W. plentiful, T. available.	Large village and fort.
9	Abid <i>E.—</i>	4	...	.....	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	
		70	...	Ascent and descent very steep.	Beberi spur.	.....			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XIII	<i>ROUTE—contd.</i> ..	..	70 ..	..	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	
10	Delhi or Yamrushi <i>E.—</i>	7 ..	76 ..	.....	.....	.....	14120		
	Harshin Tower or Nazamdhī Garhi <i>Rock Shelter.</i>		81 ..	Ascent steep and awkward, and easy descent.	Budil or Sedau	.....			
11	<i>Sedau</i> ..	14 ..	90 ..	Fair road	Veshau valley.	.....	.....	Ditto	Halting place, guard house.
	Shupiyan <i>P. O., B., C., E.—</i>	11 ..	101 ..	.....	.....	.....	.....	.....	Large village and customs post.
12	<i>Ramu B., E. confined.—</i>		102 4	Good road	.....	.....	6715	S. G. F. and W. abundant, T. ample.	Town, bazar, tehsil, and head-quarters of district.
	Khanpur <i>C.—</i>	16 ..	117 ..	Over well cultivated plain.	Jhelum valley, Rembiara ford.	.....	.....	S. and W. procurable, T. available.	Large village on Ranchor river.
13	Srinagar <i>P. O., T. O., C., E.—</i>	13 ..	130 ..	.....	.....	.....	.....	S. nil, F. and W. procurable, T. nil.	
14						Jhelum bridge	5235	S. G. F. W. abundant, T. ample.	Capital of Kashmir State, large town, fort and bazars.

The Budil Pass is generally closed by snow from December to May inclusive.

From Poní north-west to Berk 6 miles by good road. From Poní eastwards to Riassi 10 miles, crossing the Chenab river at Talwara ferry, also by a good road.

From Poní 32 miles after crossing the Chili Pass 4,000 feet, there is a route down the Nar valley by Thakera Kot 44 miles to Chenka on the right bank of the Ans river, opposite Aarnas 50 miles, thence up the Ans valley along this same bank over a difficult and rugged path by Kurba and Tiloo to Chaona 71 miles from Jammu.

From Jaryin 44 miles west by Puddur to Sangarmang iron mines 9 miles, crossing the range at Ichni or Inkan 5,200 feet, where there is a thick coal outcrop. From Dhurnsal a road ascends up the Golabguri valley passing by Mehugala coal mines and Teliri, and after crossing over the Chooroo Sira range 7,800 feet, descends either to Nar or to Bhagoli in the Ans valley, distance about 26 miles.

From Bhagoli 60 miles, and Budil 65 miles, are parallel routes on either bank of the Ans river westwards, which join at Obhi 70 miles on right bank, hence there are 3 routes, one westwards to Rajaori 87 miles, one north-west by Putli Fort to Durhal 85 miles, and the third up the Panchgabar valley northwards by Boorjari 80 miles, over the Rupri Pass 13,620 feet and 85 miles, descends to Roopro 90 miles, and to Aliabad Serai 99 miles on the Pir Punjal road from Jammu.

XIIIa LOOP ROUTE from NAR to SHUPIYON by KONSA NAG AND VESHAU VALLEY—

6	Nar <i>E.—</i>	...	...	...	52	...	.....	Chooroo Sira range.	.....	.....	7800	S. precarious, G. F. W. procurable, T. nil.	Small village.
7	Chaona <i>E.—</i>	...	14	...	66	...	Rough hill track passable for mules, and open from June.	Ans and Chuniper valleys.	Ans bridge	.....	.....	W. S. procurable, G. F. plenty, T. available.	Village.
8	Sartote or Nund- Kot <i>E.—</i>	...	10	...	76	...	.....	Konsa Nag Pass.	.....	.....	13250	S. precarious, G. F. W. plentiful, T. nil.	Ditto.
9	Konsa Nag <i>E.—</i>	...	9	...	85	...	.....	Veshau valley	Konsa Nag Lake.	.....	.....	S. nil, F. scarce, G. W. plentiful, T. nil.	Celebrated place of pilgrimage.
10	Kungwatta <i>E.—</i>	...	10	...	95	...	.....	.....	.....	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Halting place.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XIII^a	<i>ROUTE—contd.</i>	...	95 ..	.....	.....	.....	.....	S. procurable, G. F. W. plentiful, T. nil.	Large village and customs post.
11	Sedan <i>E.—</i>	6 ..	101 ..	.....	.....	Veshau ford	.....	S. G. F. and W. abundant, T. ample.	Town, bazar, tehsil, and head-quarters of district.
12	Shupiyon <i>P. O., B., C., E.—</i>	5 ..	106 ..	.....	.....	.....	6715		

XIII^b SHUPIYON to BARAMULLA—

12	Shupiyon <i>P. O., B., C., E.—</i>	...	101 ..	Hill track passable for laden animals, across undulating ground along the eastern foot of Pir Punjal range.	Across Jhelum drainage.	 Rembiara ford Mankund " Kachgal "	6715	S. G. F. W. abundant, T. ample.	Town, bazar and tehsil, head-quarters of district.
13	Chrar <i>E.—</i>	14 ..	115 .. 120 ..	.....	.....	Dudhigunga ford. Yechara ford.	6400	Ditto, W. distant	Small Town, Musjid with tomb of Shah Nur-uddin.
14	Khan Baba Sahib's Ziarat—	10 ..	123 .. 125 ..	.....	Across Suknag drainage.	.....	.....	S. scanty, G. F. W. procurable, T. scarce.	

15	Kag <i>E.—</i>	...	10	...	133	...	.....	Ditto	Suknag bridge. .....	.....	S. G. F. W. procu- rable, T. available.	Large village, an- cient spring Gunj- nag.
	<i>Firozepur</i>	...	...	...	140	...	.....	Poshkar gulli.	Bahun ford.	7000	S. scanty, G. F. W. plentiful, T. nil.	Ziarat of Baba Pam Din, place of pil- grimage.
16	Baba Marishi <i>B, C.—</i>	...	13	...	148	...	.....	.....	.....	5175	S. G. F. W. abun- dant, T. after notice.	Small town, bazar and tehsil on right bank Jhelum.
	<i>Kontra</i>	...	...	...	154	...	.....	.....	Ningul ford.			
17	Baramulla <i>P. O., T. O., D. B., E., C.—</i>	...	16	...	164	...	.....	Jhelum valley.	Jhelum bridge.			

This is the most direct route with beautiful scenery and occasional fine views of the Punjal Range; there is another route from Shupiyon to Kag by Sangarwini, Eosa, Dudhi Patri, Ringa Zabal, and Urzal or Kyar more inside the hills through lovely scenery. From Firozepur there is a good road to Gulmarg about 6 miles in length up the mountain side, while about 3 miles above Firozepur along the right bank Bahun valley, there are the ruins of two ancient temples on the Durrung Plain, which appear to have been partly destroyed by earth-
quakes.

From Baba Marishi there is also a short road 2 miles long to Gulmarg Bazar, this was made in 1891. Baramulla was severely injured by the great earthquake of 1885. About 5 miles off, the earth suddenly opened and swallowed up part of a village with its inhabitants, jets of hot water and sand gushing out.

XIV JAMMU to SRINAGAR by GULABGURH or KURI PASS—

Jammu <i>P. O., T. O., D. B.—</i>	...	...	0	...	Rough road over- beds of stony ravines to Riassi and passable for laden animals.	...	.....	S. G. F. and W. abundant, T. ample.	Capital of Jammu State.
<i>Negrota</i>	...	...	6	...	Dirooni valley	1150	.....	.. ..	H. H. Maharaja's Rest-house and garden.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XIV	<i>ROUTE—contd.</i>	...	6	...		....	....	S. nil, G. F. procurable,	Small village.
1	Dunga	11	11	...	Gundlar ridge	....	1650	W. scarce, T. nil.	Temple and spring.
	<i>Tandapani</i>	...	16	...	....	....	1400	S. precarious, G. F. W. procurable, T. nil.	Small village.
2	Kanjili	12	23	...	Chenab valley	....	1330	....	Sikh temple.
	<i>Dera</i>	...	26	...	....	Doda ford	1330		
3	Riassi	12	35	...	....	....	1800	S. G. F. W. plentiful, T. ample.	Town, bazar, tehsil and castle.
	<i>P.O., T.O., B, C., E.—</i>			Fair road over the Salar range down to Chenab and along right bank to Aarnas.					
	<i>Bidar</i>	...	39	...	....	....	2450		
4	Banasu	10	42	...	Tor gulli	Chenab rope	3300	S. nil, G. F. procurable, W. plentiful, T. nil.	On Salar hill spur. Huts.
5	Aarnas	6	45	...	....	bridge or ferry.	1540	S. G. F. W. procurable, T. available.	Large village on right bank Chenab, facing Salar Fort on left bank Chenab.
	<i>E.—</i>		51	...			....		Cluster of villages.
6	Toroo	10	61	...	A ns and Gulabgurb valleys left bank.	....	....	S. procurable, G. F. W. plentiful, T. nil.	
	<i>E.—</i>			Rough road with many ups and downs over spurs and ravines.					
7	Angril	14	75	...		....	....	Ditto	Small village.
	<i>E.—</i>								

	<i>Daval</i>	...	...	...	76 79	...	...	...	...	Golabgurb ford,	.....	.....	Ditto.
8	Kinderali or Golabgurb Fort <i>E.—</i>	...	9	...	84	...	Steep ascent and easy descent over pass.	...	...	.....	.....	S. nil, G. F. W. plentiful, T. nil.	Ditto.
9	Gogulmarg <i>E.—</i>	...	11	...	95	...	.....	.....	.....	Gulabgurb or Kuri. Chitti valley.	12530	Ditto	Marg and huts.
10	Koonal Kooloo	...	...	...	100 102 106	...	Good road over fine plain, well culti- vated.	.....	.....	Pahargurb range. Veshau valley.	.....	S. procurable, W. scarce, G. F. plentiful, T. available.	Ditto. Large village.
11	Shupiyon <i>P. O, B, C, E.—</i>	...	12	...	112 118	...	.....	.....	.....	Veshau ford.	6715	S. G. F. and W. abundant, T. ample.	Town, tehsil and head-quarters of district. Large village.
	<i>Ramu</i> <i>E. confined.—</i>	...	...	...	119 129	4	.....	.....	.....	Jhelum valley. .. ...	.....	.....	
12	Khanpur <i>C. E.—</i>	...	16	...	134	...	.....	.....	.....	.....	.....	S. nil, G. F. W. procurable, T. nil.	
13	Srinagar <i>P. O, T. O, C, E.—</i>	...	13	...	147	...	.....	.....	.....	Jhelum bridge	5235	S. G. F. W. abundant, T. ample.	Capital of Kashmir State, large town, cantonnement, fort and bazars.

This was said to be the best horse road into Kashmir, but is not so much used at present.

From Jammu to Riassi there is an alternative route, also up stony beds of ravines by Negrota 6 miles, to Dumun 14 miles, thence along the Sarna ridge to Katera 26 miles, 1,760 feet and across numerous ravines to Riassi 37 miles. The celebrated temple and place of pilgrimage, Trikoota Devi, is situated on the mountain of three peaks, about 3 miles north of Katera, up the Balan Khud, where copious springs of pure water issue from the limestone rock at an elevation of 3,000 feet; at Katera is a fine State garden.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL						
		m. f.	m. f.						
8	Gulabgurh <i>E.—</i>	...	84 ...	Difficult path for men only.	.....	.....	....	S. nil, G. F. W. plentiful, T. nil.	Fort.
9	Dedam <i>E.—</i>	...	94 ...	.....	Dedam Pass.	.....	.....	Ditto	Large marg.
10	Bo <i>E.—</i>	12 ...	96 ...	.....	Kolnarawa valley.	.....	.....	S. procurable, G. F. S. plentiful, T. nil.	Fair village.
11	Hanjipur <i>E.—</i>	8 ...	104 ...	Good road for laden animals.	.....	.....	.....	S. G. F. and W. plentiful, T. available.	Large village.
12	Shupiyan <i>P. O., B., C., E.—</i>	6 ...	110 ...	.....	Veshau valley	Veshau ford	.....	S. G. F. and W. abundant, T. ample.	Town, bazar, tehsil and head-quarters of district.
		10 ...	120 ...	.....	.....	.....	6715		

This is a rugged mountain path known only to Gujars. The pass is above 12,500 feet high with fairly easy ascent and descent. From Gogulmarg 95 miles after crossing the Pahargurh Range, there is a shorter route by Hanjipur 105 miles, to Shupiyan 115 miles. From Koond Koolloo there is a road 6 miles in length to Kungwattu on the Kousa Nag Pass road. These Routes XIII and XIV up the Ans valley are the most direct from Jammu to Srinagar, and traverse a less width of the friable Murree rock formation than any other route. The passes from 12,500 to 14,120 feet are very high, and these roads are, therefore, blocked by snow during one-half of the year. If the money could be found for a 10-mile tunnel through these mountains this direction would probably be suitable for a railway.

XV JAMMU to SRINAGAR by BANIHAL PASS—

There are three branches to this route, by the Chenab valley, by the Singpal Pass, and by the pass over the Larulari Range, all converging to the iron suspension bridge over the Chenab river at Ramband, hence a single route up the Bichlari valley over the Banihal Pass to Islamabad and Srinagar.

Firstly, BY THE CHENAB VALLEY—

	Jammu P. O., T. O., D. B.—	...	...	0 ...	Rough cart road over fertile country.	Up Chenab valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State, large town and bazar.
1	Merh	...	9 ...	9 ...	.....	.....	.....	925	S. G. F. W. plentiful, T. available.	Village and H. H. Maharajah's gar- den.
	Aknoor	...	...	18 ...	.....	.....	.....	1142		
2	Gaura	...	11 ...	20 ...	Hill track over broken ground and stony beds of ravines.	.....	.....	1200	S. and W. plentiful, T. available.	
3	Dera	...	12 ...	32 ... 39 4	..... .....	..... .....	..... Doda ford	1330 1330	S. G. F. nil, W. plentiful, T. nil.	Sikh temple.
4	Riassi P. O., T. O., B., C., E. Mari	...	9 ...	41 ...	Fair road over Salar range and along Chenab valley, left bank, passable for mules.	 Serli Pass	..... .....	1800 2000 4300	S. G. F. and W. plentiful, T. ample.	Fort town, bazar and tehsil.
	Ser	...	...	48 ... 49 ...	.....	..... Kirkhargully	..... ...	2950 2875		
5	Kansur E.—	...	10 ...	51 ...	.....	.....	...	1600	S. moderate, G. F. W. plentiful, T. available.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
XV	<i>ROUTE—contd.</i>	...	51 ...						
6	Kotroo <i>Haroy</i>	6 ...	57 ...	.....	.....	.....	2075	S. moderate G. F. W. plentiful, T. nil.	Village.
7	Parand <i>E.—</i>	7 ...	64 ...	.....	.....	.....	2450	Ditto, T. available.	Ditto. Ancient ruins.
	<i>Kartal</i>	...	67 ...	.....	.....	Pinkia river ford.	1900		
8	Madial	11 ...	72 ...	Road diverges round Kaonsal mountain over limestone forma- tion to avoid cliffs on Chenab.	Simni gully	.....	6100	.....	Spur of Mandi peak.
	<i>Tangar</i>	...	75 ...		.....	.....	3200	Ditto, T. nil.	Ditto.
		...	77 ...		Bilkot gully	.....	4408		
		...	79 ...	Fair hill road pas- sable for mules.	.....	.....	2650		
9	Dharamkoond	8 ...	83 ...	.....	.....	.....	2200	Ditto, T. available.	Ditto. Rope sling bridge over Chenab.
	<i>E.—</i> <i>Gunga</i>	...	85 ...	....	.....	.....	3800		
	<i>Maitra</i> <i>B.—</i>	...	92 ...	.....	.....	.....	.....	S. nil, G. F. procurable, W. plentiful.	Old baradari.

10	Ramband <i>P. O., T. O., B., C., E.</i>	11	...	94	...		Chenab bridge	2324	S. G. F. and W. plentiful, T. available.	Tehsil and bazar.
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Between Riassi and Kausur, the Chenab river makes a remarkable bend, changing from a westerly to a southerly course through a deep gorge of limestone cliffs. The Salar Fort is situated in the angle of this bend and the road from Riassi avoids the latter, crosses the limestone range by the Serli Pass in a N. E. direction and descends to Kausur in the Chenab valley. It passes by Sir, near which are situated the mines of lead and antimony which have been worked for a long period.

Between Karlat and Tangar, the Chenab cuts through a spur of the limestone range forming a deep gorge walled in by high cliffs, with a great fall. From Karlat the road diverges S. E. to Madial over the Simni Pass, and comes round the base of a limestone peak N. E. to Tangar, back on the Chenab. In the vicinity of Dharamkoond up the Chenab valley, there are large deposits of Gypsum called *makol*. This route up the Chenab and Bichlari valleys has been reconnoitred for a railway. It passes through 40 miles of the Murree rock formation, and would meet difficulty at the Tangar and Salar limestone gorges.

Secondly, BY THE SINGIPAL PASS—

	Jammu <i>P. O., T. O., D. B. —</i>	...	...	0	...	Good road but stony.	Up Tawi valley.	.....	1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State, large town and bazar.
	<i>Negrota</i>	...	...	6	...	.....	.....	.....	1150		
				16	...	.....	Nadaini gully	.....	2275		
1	Dunsal	...	17	6	6	.....	.....	Chupper Khud	1800	S. G. F. procurable, W. scanty, T. scarce.	Village.
				20	6	.....	Shegala range	.....	2800		
				24	...	.....	.....	Doodur Khud			
	<i>Periam</i>	...	...	25	6	Old road now seldom used.	.....	.....			
2	Krimchi	...	14	2	32	.....	.....	.....	2500	Ditto, W. baoli and nullah.	Ditto Old fort in ruins.
				35	...	.....	.....	Biru ford.			
				39	...	.....	Siraoli range.				

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
XV	ROUTE—contd.	...	39	...	...	...	4800	S. nil, G. F. W.	Hakling place.
3	Mir	10	42	...	...	...	4700	procurable, T. nil.	Fort.
4	Landra	9	51	...	...	...	8200	S. scarce, G. F. W. and T. available.	
	<i>Bilhuta</i>	...	56	Steep descent	Singpal	...			
	<i>Maitra</i>	...	59		Across Chenab valley.	...			
5	Ramband	12	63	...	...	Chenab bridge.	2324	S. G. F. W. plentiful, T. available.	Tehsil and bazar.
	<i>P. O., T. O., B., C. E.</i>		65						

Thirdly, MAIN ROUTE BY THE SARTARGURH PASS OVER THE LARULARI RANGE—

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
1	Jammu	...	0	Made road throughout and partially bridged.	Up Tawi valley.	...	1200	S. G. F. and W. abundant, T. ample.	Capital of Jammu State.
	<i>P. O., T. O., D. B.—</i>	...	6	...	...	...	1150	.....	H. H. Maharaja's Baradari and garden.
	<i>Negrota B.—</i>	...	16	...	Nadaini gully	...	2275		
2	Dunsal	17	17	Between Jammu and Udampur	.....	Chuppur Khud	1800	S. G. F. procurable, W. scanty, T. scarce.	Village.
	<i>B.—</i>	6	20	very stony over boulder formation.	Shigala range	.....	2800		
	<i>Periam</i>	...	25		.....	Doodur Khud.			

3	Udampur <i>P. O., T. O., Palace, C, E.—</i>	12	6	30	4	Good section	.....	.....	2500	S. G. E. plentiful, W. scarce in dry sum- mer, T. ample.	Town and bazar, head-quarters of district.
4	Dramthal <i>B.—</i>	13	6	44	2	.....	.....	.....	3500	S. G. F. procurable, W. moderate, T. scarce.	Village.
	<i>Chineni</i>	...	...	49	...	Steep and stony ascent & descent.	.....	.....	3900	S. and W. abundant, T. ample.	Small town and bazar.
	<i>Putni Talao</i>	...	...	53	...	.....	Larulari	.....	6600	.....	Near Sartargurh.
5	Batoti <i>B. E.—</i>	11	6	56	...	Steep descent which might be improved.	Across Chenab valley.	.....	5050	S. G. F. plentiful, W. moderate, T. scarce.	Village.
6	Ramband <i>P. O., T. O., B., C, E.</i>	13	2	69	2	Rough road through shale, subject to snow, avalanches from Loonkot mountain and liable to land- slips.	.....	Chenab bridge	2324	S. G. F. W. plentiful, T. available.	Tehsil and bazar.
	<i>Digdihol</i>	...	...	77	...	.....	Up Bichlari valley.	.....	3300	.....	.....
	<i>Klalna</i>	...	...	80	...	.....	.....	Bichlari bridge.	3200	.....	.....
7	Ramsu <i>Hut.—</i>	12	6	82	...	.....	.....	Ditto	3700	S. G. F. procurable, W. plentiful, T. nil.	Small village.
	<i>Nachilana</i>	...	...	84	...	.....	.....	Mohu bridge.	4400	.....	Customs post.
	Deogul or Banihal <i>B.—</i>	11	...	93	...	Good section	.....	Bichlari bridge.	5450	S. G. F. W. moderate, T. scarce.	Village.
8	<i>Takia</i> <i>C.—</i>	...	...	98	4	Steep ascent and descent, road fair.	.....	.....	6300	.....	Village, foot of pass.
				100	4	.....	Banihal	.....	9200	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
XV	<i>ROUTE—contd.</i>	...	100 4						
9	Verinag <i>P.O., T.O., B. E.—</i>	11 2	104 2	Good road	Down Jhelum valley.	Sandri bridge	6000	S. G. F. and W. plentiful, T. available.	Large village and tehsil.
10	Islamabad or Anant Nag. <i>P.O., T.O., B., C., E.—</i>	16 2	120 4	.....	Right bank	Sulphurous springs.	5450	Ditto, T. ample.	Town, bazar and head quarters of district.
	<i>Kanabul B.—</i>	...	122 ...	Hence travellers mostly go by boat down the Jhelum.			5400	Ditto "	On right bank Jhelum.
	<i>Bijbehara B. C.—</i>	...	126 ...	Fair road	.....	.....	.....	.....	Town and bazar, numerous temples and mosques.
11	Avantipur <i>E.—</i>	17 ...	137 4	.....	.....	.....	5300	S. nil, T. nil.	Ruins of ancient city and temple.
	<i>Pandrethan</i>	...	149 ...	.....	.....	.....	.....	.....	Ancient city and temple in ruins.
12	Srinagar <i>P.O., T.O., C., E.—</i>	18 ...	155 4	.....	.....	.....	5235	S. G. F. and W. abundant, T. ample.	Capital of Kashmir State, large town and bazar, Military Cantonment.

This route is reserved by H. H. Maharajah of Jammu and Kashmir, and no visitor can travel this way without his express permission. When the latter is given, the traveller should arrange for the through transport of his camp and baggage from Jammu to Islamabad, otherwise much trouble and difficulty may be felt, the local coolies frequently putting down their loads on the roadside and running away. The Banihal Pass is usually closed by snow during two months of the year, 15th December to 15th February inclusive.

Through Damsal a cross route starting from Riassi runs along the Damsal plain generally in a south-east direction by Jindrar, and after crossing the Tawi river at Negrota comes to Munwal, where the two roads from Jammu to Ramnagar and Bisoali diverge. Near this place are the ruins of some fine Pandoo temples which are little known. The distances from Riassi are to Katera 11 miles, Dunsal 25 miles, Jindrar 33 miles, Negrota 38 miles, and Munwal 40 miles.

From Ramband 69 miles 2 furlongs, an old road ascends the Loonkot Range 8,000 feet, and crossing over above Bilhoot 74 miles, descends into the Peristan valley by Baragadh 80 miles, to Ramsu 85 miles.

From Ramband 69 miles 2 furlongs, a loop track ascends N. E. over the same range under Saroo Peak by Gunhot 75 miles, and after crossing the Pass descends down the Peristan valley by Peristan 86 miles, to Ramsu 98 miles.

XV a UDAMPUR to RIASI —

3	Udampur <i>P. O., T. O., Palace, C., E.—</i>	...	...	30	4	Open country, well cultivated, but broken by numerous deep ravines, road fair.	Across drain- age of Tawi.	.....	2500	S. and G. F. plentiful, W. scarce in dry summer, T. ample.	Town and bazar, head-quarters of district.
4	Cymbal Sui <i>E.—</i>	...	10	4	41	...	Sandran spur	Sukhul Kud	.....	S. precarious, W. scarce, T. nil.	Village.
5	Katera <i>C., E.—</i>	...	8	...	49	...	Trikoota spur	Balan Kud	1760	S. and W. plentiful, T. available.	Large village.
6	Riassi <i>P. O., T. O., B., C., E.—</i>	...	11	...	58	...	Across Chenab drainage.	Dooda stream.	1800	S. and W. plentiful, T. ample.	Fort, town, bazar and tehsil.

From Udampur 30 miles 4 furlongs there is another route by Siraoli 43 miles, and over two spurs of the Siraoli Peak to Gurg 52 miles, thence down the Dooda valley to Riassi 66 miles.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

XV^b CROSS ROUTE from PARAND to SAD MAHADEO by LANDRA and CHINENI. —

	Parand <i>E.—</i>	...	0	Hill track not pass- able for laden animals.	Up Pinkia valley.	.....	2450	S. moderate, G. F. W. plentiful, T. available.	Village and ruins of temple.
1	Landra	15	5 15	..... .....	..... .....	Pinkia ford.	4700	S. scarce, G. F. W. T. procurable.	Fort.
2	Chineni <i>P. O., C., E.—</i>	12	21 27	 Good road	Larulari range Across Tawi drainage.	..... .....	3900	S. G. F. W. plentiful, T. ample.	Small town and bazar. Residence of Raja of Chineni.
3	Sad Mahadeo <i>C., E.—</i>	8	35	.....	.....	.....	.....	Ditto.	Place of pilgrimage, with temples and bazar.

XV^c NACHILANA to SHUPIYON by MOHU PASS —

8	Nachilana	...	86	Rough hill track passable for mules.	Up Mohu valley.	Mohu bridge	4400		Customs post.
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9	Mohu <i>E.—</i>	...	11	...	97	...				S. nil, G. F. W. plentiful, T. nil.	Marg.
10	Dunnouf <i>E.—</i>	...	...	...	101 111	...		Mohu Pass. Down Kolnerawa valley.		S. procurable, G. F. W. plentiful, T. scarce.	Village.
11	Hanjipur <i>E.—</i>	...	6	...	117	...	.....	.....	Veshau ford	S. and W. plentiful, T. available.	Large village.
12	Shupiyou <i>P. O., B., C. E.—</i>	...	10	...	127	...	.....	.....	.....	S. G. F. and W. abundant, T. ample.	Town, bazar, tehsil and head-quarters of district.

Over the mountain range S. E. from Banihal, which separates the Bichlari valley from the Shahabad valley, are 3 passes :
Nandmarg ascended from Ramsu 82 miles, up the Pogal stream by Maligam 92 miles, to Choan, Custom House, 105 miles at the upper end of the Shahabad valley.

Ramoor ascended from Ramsu 82 miles, up the Marwan stream by Prihanta 92 miles, to Ingrawarru in the Shahabad valley 102 miles.
Halan ascended from Deogul 93 miles, by Halan 104 miles, to Nowgaon 107 miles, and Verinag 110 miles, in the Shahabad or Upper Jhelum valley.
 On the west side of Banihal Pass is the Traj Pass, which may be ascended from Deogul 93 miles, by Dannahar 102 miles, to Rozlu valley 112 miles, and Islamabad 127 miles.

From Verinag westwards there is a pleasant road with fine scenery along the northern foot of the Punjal Range by the Rozlu valley and Dunnouf to Shupiyou, *viz.*, Verinag to Hillar 6 miles, Rozloo valley 15 miles, Durdground 23 miles, Dunnouf 33 miles, Hanjipur 39 miles, Koond Koolloo 48 miles, Kungwattu 54 miles, Sedau 60 miles, Shupiyou 65 miles. Supplies and coolies are procurable throughout except at Koond Koolloo and Kungwattu.

XVd EXTENSION ROUTE VERINAG to INSHIN in WURDWAN VALLEY by MARGAN PASS.—

9	Verinag <i>P. O., T. O., B.—</i>	...	...	...	104 105 108 111	2	Good road passable for laden animals.	Shahabad valley Shail Nag range. Bringhu valley	 Sandrin ford Bringhu ford.	6000	S. G. F. & W. plentiful, T. available.	Large village and tehsil.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XVd	<i>ROUTE—contd.</i>	...	111						
10	Soph <i>E.—</i> <i>Kharpara</i>	9	6 114	.....	.....	.....	.....	S. G. W. plentiful, F. scarce, T. available.	Two large villages employed in working iron mines. Large village.
11	Nowbug <i>E.—</i>	9	... 117 120 123	.....	Nar Sungar. Up Nowbug valley.	.....	.....	S. G. F. W. plentiful, T. available.	
12	Guran <i>E.—</i>	9	... 132 138	.....	Margan Pass or Ikpatian. Up Wurdwan valley.	.....	... 11600	Ditto	Small village
13	Inshin	16	... 148	.....		Maru Wurdwan bridge.	8143	S. precarious, G. F. W. plentiful, a few coolies procurable.	Village.

From Verinag 2 roads lead to Soph over the Shail Nag range between the Shahabad and Bringh valleys, both equally good.

XVe EXTENSION ROUTE ISLAMABAD to AMARANATH by LIDAR VALLEY—

10	Islamabad or Anant Nag <i>P.O., T.O., B.C., E.—</i>	...	120	4	Good road passable for laden animals	Up Lidar valley left bank.	.....	S. G. F. W. abundant, T. ample.	Town and bazar, head-quarters of district, sulphurous hot springs.
11	Bawan <i>E.—</i>	4	4 125	.....	.....	.....	.....	Ditto	Beautiful springs, temple and caves.

12	Eishmakam E.—	...	10	...	135	...	.....	.....	.....	.....	S. G. F. W. plentiful, T. available.	Mahomedan shrine, old copper mines at Harpat Nag.
	<i>Buthot</i>	...	...	...	141	...	.....	.....	.....	.....	.....	Village.
	<i>Ganeshbal</i>	...	...	...	146	...	.....	.....	.....	.....	.....	Chief stage of pilgrim- age.
13	Pailgam E.—	...	14	...	149	...	Fair road practi- cable for ponies and jampans.	.....	.....	8500	Ditto	Cluster of villages.
	<i>Preslang</i>	...	...	...	156	...	.....	.....	.....	.....	.....	Small village, last up valley.
14	Tanin or Chan- danwara. E.—	...	10	...	159	...	.....	.....	.....	10500	S. nil, G. F. W. plentiful, T. nil.	Halting place.
15	Shisha Nag E.—	...	10	...	169	...	.....	.....	Shisha Nag	12500	Ditto	Ditto.
16	Panjitarni E.—	...	11	...	180	...	.....	Sach Kach range, .....	.....	.....	Ditto, Juniper bushes.	Ditto.
17	Amaranath Cave	...	5	...	185	...	.....	.....	Cave in the Gypsum rock.	13000	Nil.	Celebrated place of pilgrimage, sacred to Siva.

Between Tanin and Panjitarni, there is another route by Astan Marg about 16 miles, rougher but shorter.

From Panjitarni there is a path down the Sangam Kol river to Baltal on the Srinagar and Ladak road at the southern foot of the Zoji La. The distance is about 8 miles and is traversable only while this river is covered by snow bridges during winter and generally until the end of June.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
1	Jammu P. O., T. O., D. B.—	...	0	Fair road passable for laden animals, very stony over boulder formation.	.....	.....	1200	S. G. F. & W. abundant, T. ample.	Capital of Jammu State, Military Cantonment, large town and bazar.
	<i>Negrola</i> B.—	...	6	.....	Up Tawi valley.	.....	1150	.....	H. H. Maharajah's Baradari & Garden.
	Dunsal B.—	17	6	.....	.....	.....	1800	S. G. F. procurable, W. scanty, T. scarce.	Village.
	Udampur P. O., T. O., Palace—	12	30	Good road	.....	.....	2500	S. G. F. plentiful, W. scarce, in dry summer T. ample.	Town and bazar, head-quarters of district.
3	Dramthal B.—	13	6	.....	.....	.....	3500	S. G. F. plentiful, W. moderate, T. scarce.	Village.
	<i>Chineni</i> P. O.—	...	49	Steep ascent	.....	.....	3900	W. and S. abundant, T. ample.	Small town and bazar.
	<i>Putni Talao</i>	...	53	.....	Larulari range.	.....	6600	.....	Near Sartarghur.

XVI JAMMU to SKARDU by KISHTWAR and SURU—

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XVI	<i>ROUTE—contd.</i>	6	134	...			.....		
12	Ekali	14	148	.....	Up Maru Wurdwan valley.		.....	S. nil, G. F. W. procurable, T. nil.	Huts.
13	Sanger <i>Zand</i>	16	164	.....	.....	Maru Wurdwan bridge.	.....	Ditto	Ditto.
14	Hanja	15	179	.....	.....	Maru Wurdwan bridge.	.....	Ditto	Ditto.
15	Petgam or Maru	13	192	.....	.....	Farriabad bridge.	.....	S. G. F. W. procurable, few coolies.	Village.

Hence there are two routes to Suru, one up the Maru Wurdwan valley by the Bhutkhol Pass as follows, the other up the Farriabad valley by the Chiloong Pass, the latter much longer. See Route XVIa.

16	Hajka <i>E.—</i>	11	203	Road bad along precipices.	Up Maru Wurdwan valley.			S nil, G. F. W. procurable, T. nil.	Halting place.
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17	Inshin P. O., E.	...	9	...	212	...				8143	S. precarious, G. F. W. procurable, few coolies.	Village.
	<i>Afth</i>	...	...	...	216	...						Old fort.
	<i>Basman</i>	...	...	...	219	...	Road passable for ponies not laden.	.....	Maru Wurdwan bridge.	.....	.....	
					222	...	.....	.....	Ditto.			
					225	...	.....	.....	Ditto.			
18	<i>Suknis</i> E.—	...	15	...	227	...	.....	.....	.....	.....	Ditto	Last village up this valley.
19	<i>Dumhoi</i> E.—	...	9	...	236	...	.....	.....	.....	.....	S. nil, G. F. W. procurable, T. nil.	Halting place.
20	<i>Morse Khol</i> E.—	...	12	...	248	...	.....	.....	.....	.....	S. G. nil, W. procurable, F. scarce, T. nil.	Ditto at foot of glacier.
					260	...	Snow track over glacier.	Bhuthkol or Lanwi La.	.....	14370	.....	Kwaj Kur track.
21	<i>Dunore</i> E.—	...	20	...	268	...	.....	Down Suru valley left bank.	.....	.....	S. G. F. nil, W. procurable, T. nil.	Halting place.
22	<i>Suru</i> E.—	...	10	...	278	...	Road passable for men and led ponies only.	.....	.....	10624	S. G. F. W. procurable, few coolies and ponies.	Village and fort.
23	<i>Sankho</i> E.—	...	18	...	296	...	.....	.....	.....	.....	S. G. F. W. obtainable, T. available.	Large village.
24	<i>Chaliskot</i> E.—	...	12	...	308	...	.....	.....	.....	.....	S. G. F. W. procurable, T. nil.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XVI	<i>ROUTE—contd.</i>	12 ..	308 ..						
25	Kargil <i>E.—</i>	14 ..	322 ..	.....	.....	.....	8787	S. G. W. plentiful, F. moderate, T. available	Large village and fort, and headquarters of district.
26	Kirkitchu <i>E.—</i>	10 ..	332 ..	Difficult road not passable for ponies or mules.	.....	Dras bridge	.....	S. G. F. W. procurable, T. nil.	Village Chanagand on right bank.
27	Gangany <i>E.—</i>	10 ..	342 ..	.....	.....	.....	.....	Ditto	Small village.
28	Olting Thang <i>E.—</i>	12 ..	354 ..	.....	Down Indus valley left bank.	.....	.....	S. G. F. W. procurable, few coolies	Village.
29	Tarkuty <i>E.—</i>	14 ..	368 ..	Bad parts over rugged spurs with scaffolding.	.....	.....	7800	Ditto	Ditto.
30	Kartaksho <i>E. confined—</i>	17 ..	385 ..	.....	.....	.....	8500	Ditto	Ditto.
31	Tolti <i>E.—</i>	12 ..	397 ..	.....	.....	.....	.....	Ditto	Ditto.
32	Parkuta <i>E.—</i>	14 ..	411 ..	Fair hill road	.....	..	.....	S. G. F. W. plentiful, T. available.	Large village.

33	Gol <i>E.—</i>	...	13	...	424	...	.....	.....	.....	.....	Ditto	...	Ditto.
	<i>Kepchang</i>	...	...	...	441	...	.....	.....	.....	.....	Ditto	...	Ditto.
34	Skardu <i>P. O., T. O., E.—</i>	...	21	...	445	...	.....	.....	.....	7440	S G. W abundant, F. scarce, T. ample.	Capital of Baltistan, fort and bazar.	

There are two routes over the Bhut khol Pass between Suknis and Suru. The Kwaj Kur Route, as above given, generally open from June to November, and the Saga Route by the Rang marg, 73 miles long, which, though it has easier gradients, is not safe after the snow melts. As changes occur in the glaciers, the tracks are altered, and this may account for the different routes given by travellers. It is remarkable that in this road from Jammu to Skardo, 445 miles in length through the mountains, there are only two passes—the Larulari, 6,600 ft. and the Bhut khol, 14,370 ft. With a large camp, through transport is necessary for the bulk of the baggage.

XVIA ALTERNATIVE ROUTE from PETGAM to SURU by CHILOONG PASS—

15	Petgam <i>E.—</i>	...	...	...	192	...	Hill track used by men only, difficult path.	Up Farriabad valley.	.....	...	S. procurable, G. F. W. moderate, few coolies.	Village.
	<i>Zabban</i>	...	...	...	...	...	.....	.....	.....	.....	Hot Spring.	
16	Metwan <i>E.—</i>	...	14	...	206	...	.....	.....	.....	...	S. nil, G. F. W. procurable, T. nil.	Hamlet.
17	Maharran <i>E.—</i>	...	10	...	216	...	...	.....	...	.....	Ditto	Halting place.
18	Kailgan Rocks <i>E.—</i>	...	12	..	228	..	.....	.....	.....	...	Ditto	Ditto.
19	Camp <i>E.—</i>	...	12	...	240	...	.....	.....	.....	.....	S. F. G nil, W. plentiful, T. nil.	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XVI^a	<i>ROUTE—contd.</i> ...	12 ...	240 ...						
20	Ramdun Sankpo <i>E.—</i>	20 ...	260 ...	.....	Chiloong Pass down Ramdun Sankpo valley.	.....	.....	S. F. G. nil, W. plentiful, T. nil.	Foot of Penge La.
21	Gonpa Lama Seroi or Ringdom <i>E.—</i> ...	13 ...	273 ...	Track improves as the valley widens.	.....	.....	.....	S. precarious, F. G. procurable, W. plentiful, T. nil.	Lama Monastery.
22	Gulmatongo <i>E.—</i> ...	17 ...	290 ...	Heavy road	.....	.....	.....	Ditto	Huts.
23	Purkatse <i>E.—</i> ...	12 ...	302 ...	Steep ascent	 Purkatse spur.	.....	.....	Ditto	Small village.
24	Suru <i>E.—</i> ...	6 ...	308 ...	.....	.....	.....	10624	S. G. F. moderate, W. plentiful, few coolies.	Fort and village.

From Purkatse another road winds round the spur along right bank of river to Suru 12 miles long.

XVII JAMMU to LEH by BADRAWAR and ZANSKAR—

	Jammu P.O., T. O., D.B., C.—		0 ...	Fair hill road passable for laden animals but stony.	Up Tawi valley.	Tawi ford	1200	S. G. F. W. abundant, F. dear, T. ample.	Capital of Jammu State, Military Cantonment, large town and bazar. Village.
1	Pergulta E.—	10	10	.....	.....	.....	.....	S.G.F.W. procurable, few coolies.	Village.
2	Suruin Sar E.—	9	19	.....	.....	Suruin Sar L.	1825	S.G.F.W. procurable, few coolies.	Ditto.
	Manwal	...	28	.....	.....	.....	.....	.....	Ruins of Pandoo temples in vic- inity. Village.
3	Chian E.—	11	30	.....	.....	.....	.....	Ditto	
			32	.....	Belai or Sunidhar range.	.....	.....		
			38	.....	Pulasu spur	Silokad. .....	.....		
4	Ramnagar P.O., T. O., E.—	13	43	Good road	Up Ramnagar valley.	.....	2700	S. G. F. W. plentiful, T. ample.	Capital of Ram- nagar Jagir Town, fort and bazar.
5	Korta E.—	9	52	.....	From Korta to Kroide	.....	.....	S.G.F.W. procurable, few coolies.	Village.
	Kroide Garoo	...	62	.....	Garoo road	.....	.....		
				.....	ascends spur and runs along high ridge	.....	.....		
6	Dooder E.—	13	65	.....	Kalatil.	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND CROSSINGS MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOUT SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XVII	<i>ROUTE.—contd.</i>	...	...						
7	Asmas <i>E.—</i>	13 ...	65 ...	.....	Up Room-mutta valley. Siwuldar or Seyagi.	.....	.....	S. nil, G. F. W. procurable, T. nil.	Halting place.
8	Badrawar <i>P. O., E.— Chinta</i>	12 ...	87 ...	Summer road follows high ridge to 2 miles beyond Jaora.	Down Neru valley.	Neru bridge	5427	S. G. F. W. abundant, T. ample.	Capital of Badrawar Jagir. Town, fort and bazars.
9	Jaora <i>E.—</i>	17 ...	104 ...	In winter lower road by Jagud is taken.	.....	.....	.....	S. G. F. W. plentiful, T. available.	Village.
10	Zanglwar <i>E.—</i>	8 ...	112 ...	Fair road	Chira gully. Up Chandra Bhaga valley.	Karney Gad bridge.	3670	S. G. F. W. procurable, T. available.	Ditto.
11	Joshni <i>E.—</i>	6 ...	118 ...	Road crosses numerous ravines and is bad in places.	.....	.....	.....	S. nil, G. F. W. procurable, T. nil.	Ditto.
12	Kishtwar <i>P. O., E.—</i>	15 ...	133 ...	.....	.....	.....	{ 5400 5000	S. G. F. W. plentiful, T. ample.	Town, fort, bazar, head-quarters of district.

13	Bagni	...	13	...	146	...	Difficult path high above river, crossing numerous side gorges with considerable ascents and descents, practicable for unladen ponies.	Up Chandra Bhaga valley left bank.	.....	.....	S. scanty, G. F. W. plentiful, T. available	Small village.
14	Piyas	..	11	...	157	...		.....	.....	6320	S. nil, G. F. W. procurable, T. nil.	Hamlet.
15	Siri	..	9	4	163	4		.....	.....	8700	Ditto	Ditto.
16	Atholi or Gulabgarh <i>E.—</i>	..	14	...	180	4		Up Bhutna valley, open and well cultivated.	Chandra Bhaga rope bridge and Bhutna wooden bridge	6360	S. G. F. W. procurable, T. available.	Village and fort, chief place of Padar.
17	Kundhel Umshil	..	11	...	191	4	Easy path to Soom-jam for laden animals.	.....	.....	7660	Ditto	Village.
18	Machail <i>E.—</i> <i>Sumjam</i>	...	11	...	202	4		.....	.....	9700	Ditto	Ditto.
19	Bujwas	...	8	4	211	...		.....	.....	11000	.....	Sapphire mines in vicinity.
										11570	S. nil, G. F. W. procurable, T. nil.	

Hence there are three tracks to the Zaskar valley. Firstly, up the Kaosh nullah over the Hagshu La 16,600 feet down the Hagshu Tokpho, across the Zaskar valley over the Rulakun La 17,500 feet by Rulagong, Linshot 12,850 feet to Yelchung 12,735 feet. Secondly, the route over the Umasi La 17,370 feet to Yelchung which follows, and thirdly, over the Muni La a deserted track leading direct to Padam and Yelchung. The Umasi La is usually open for 3 months, June to August, inclusive.

20	Bugjan Hiwan <i>E.—</i>	...	7	...	218	...	Steep ascent over snow to glacier, level plateau and steep descent.	.....	.....	15500 17370	G. and W. procurable, F. S. T. nil.	Halting place.
21	Gowra <i>E.—</i>	...	13	...	231	...		.....	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	m.	f.						
XVII 22	ROUTE.—contd.	...	13	...	...	.....	.....	12020	S. G. F. W. procurable, few coolies.	Village.
	Ating	...	10	...	...	.....	.....	.....	.....	.....
	<i>E.— Tungring</i>	...	...	247	...	.....	.....	.....	.....	.....
Hence there are two routes down the Zaskar valley on either bank to Yelchung. A Jhula bridge at Tungring to left bank Doda river.										
23	Seni Gonpa <i>E.—</i>	...	9	...	...	Down Doda or Zaskar valley right bank.	.....	11560	Ditto	Ditto and temple.
24	Padam <i>E.—</i>	...	9	...	...	.....	Tsarap Lingti Chu or Sindu Jhula or rope bridge.	11373	S. G. F. W. procurable, few coolies, T. available.	Former capital of Zaskar, village and fort.
25	Thonde <i>E.—</i>	...	9	...	...	.....	.....	11460	Ditto, T. nil.	Small village.
26	Zozar	...	7	...	...	.....	.....	11583	Ditto	Hamlet and bridge over Zaskar river.
27	Zangla <i>E.—</i>	...	6	...	...	.....	Sumdo.	11050	S. G. W. plentiful, F. scarce, T. available	Village.
				289	...	Chelong Labho	.....	14530		
28	Khurma foo	...	13	...	...	Rough hill road passable for ponies.	.....	13050	S. nil, G. F. W. procurable, T. nil.	Halting place.
29	Pangot <i>E.—</i>	...	10	...	...	.....	.....	16000	Ditto	Ditto.
				308	...	Nira La,	.....			

[illegible]

From Zozar there is another difficult path to Leh north-eastwards over the Charcha La, Riberaug La and Kunda La, open only when the rivers are low. From Phanjila 356 miles 3 furlongs, a track branches off up the Ripechar nullah to Hinju 365 miles, over the Choke La 13,513 feet down the Sumdafoo to Drogulika. 375 miles, Ezas 384 miles, whence there are two ways to Leh; either up the Zanskar river and crossing the latter near Chilling to Drogulika. 400 miles, 11,120 feet, over the Kunda La, 16,211 feet to Zinchan 420 miles, Chushot 436 miles, crossing by bridge over the Indus river Skio 460 miles, 11,120 feet, over the Kunda La, 16,211 feet to Zinchan 420 miles, Chushot 436 miles, crossing by bridge over the Indus river 10,500 feet, and onwards to Leh 446 miles; or down the Zanskar and Indus rivers left bank by Umlung Goongma 402 miles, to Saspul 414 miles, crossing the Indus river by bridge at this place and onwards by Nimu 426 miles, to Leh 444 miles.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XVII. ATING TO YELCHUNG by LEFT BANK DODA or ZANSKAR RIVER									
22	Ating <i>E. —</i>	...	241 ...	Easy path to Pidmu	Down Doda or Zanskar valley left bank.	.....	12020	S. G. F. W. procurable, few coolies.	Village.
23	Tungring	6 ...	247 ...	.....	.....	Doda bridge	.....	Ditto, T. nil.	Ditto.
24	Kursha	8 ...	255 ...	.....	.....	.....	.....	S. G. F. W. moderate, few coolies.	L a r g e village, Lama Monastery.
25	Zozar left bank	12 ...	267 ...	.....	.....	.....	11583	S. G. F. W. procurable, T. nil.	Halting place.
26	Pidmu	11 ...	278 ...	Difficult path crosses deep gorges and high ridges in the massive limestone and slate formation.	.....	.....	.....	Ditto	Village.
27	Hansmil	6 ...	284 ...	.....	Purfi La.	.....	.....	S. precarious, G. F. W. procurable, T. nil.	Hamlet.
			292 ...	.....	.....	Omachu.	.....		
			293 ...	.....	.....	.....	.....		
			295 ...	.....	.....	.....	.....		
28	Sneatse	13 ...	303 ...	.....	.....	.....	.....	S. nil, G. F. W. scanty, T. nil.	Halting place.
			304 ...	.....	Hulooma La	.....	15453		
			306 ...	.....	.....	Luzungchu.	.....		
29	Linshot	11 ...	308 ...	.....	Chupkun La.	.....	12850	S. G. F. W. scanty, T. nil.	Small village.
			311 ...	.....	.....	.....	.....		
			313 ...	.....	Mitookse La.	.....	.....		
			315 ...	.....	.....	Shob Kurpo-chu.	.....		
30	Yelchung <i>E. —</i>	10 ...	318 ...	.....	Kuba La.	.....	12730	Ditto	Ditto.

XVIII JAMMU to HANLE by CHAMBA—

	Jammu P. O., T. O., D. B.—	...	...	...	...	Fair hill road pass- able for laden ani- mals, rises up the range to the two mountain lakes and descends to Ramkot.	.....	.....	.....	1200	S. G. F. W. abundant, T. ample. S. nil, G. F. W. procurable, T. nil.	Capital of Jammu State, Military Cantonment, large town and bazaars. Small village.
1	Pergulta	...	10	...	10	...	.....	.....	.....	.....	S. nil, G. F. W. procurable, T. nil.	Small village.
2	Suruin Sar E.—	...	9	...	19	...	.....	Along Suruin hill range.	Suruin Sar L.	1825	S. G. F. procurable W. plentiful, T. nil.	Or by Munwal 9m., Tial 9m., Ramkot 9m.
3	Man Sar E.—	...	10	...	29	...	.....	.....	Man Sar L.	.....	S. G. F. procurable, W. plentiful, T. nil.	Lake and temple.
4	Ramkot E.—	...	16	...	45	...	Rough track pass- able for laden animals.	Ramkot plain.	.....	.....	S. G. F. W. plentiful, T. available.	Fort.
5	Sambarta E.—	...	8	...	53 56	...	.....	Across Wooj valley.	 Wooj ford.	2320	S. after notice, G. F. W. procurable, T. nil.	Village.
6	Padua E.—	...	7	...	60 62	...	.....	.....	..... Pine ford.	.....	S. G. F. W. plentiful, T. available.	Large village.
7	Mandpur E.—	...	8	...	68	...	.....	Up Ravi valley right bank.	.....	.....	S. after notice, G. F. W. procurable, few coolies.	Village.
8	Bisaoli P. O., C. E.—	...	11	...	79	...	Good road for laden animals.	.....	Ravi ford and ferry.	2170	S. G. F. W. abundant, T. ample.	Town, fort and bazar on right bank
9	Mail E.—	...	6	...	85	...	.....	.....	.....	.....	S. G. F. W. plentiful, T. available.	Ravi. Village.
10	Rampur E.—	...	12	...	97	...	.....	.....	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XVIII	<i>ROUTE.—contd.</i>	12	97	...	...	Ravi bridge	3033	S. G. F. W. abundant, T. ample.	Capital of Chamba State. Large town and bazars.
11	Chamba <i>P. O., D. B., C. E.—</i>	14	111	...	.....	.....	.....	S. G. F. W. plentiful, T. available.	Village.
12	Rakh <i>D. B., E.—</i>	12	123	...	.....	.....	.....	Ditto	Ditto.
13	Chitrali <i>E.—</i>	10	133	...	.....	.....	5883		

From Chitrali there are two routes to Tandi at the junction of the Chandra and Bhaga rivers, one by the Kukti pass, the other by the Bara Bhagal pass as under : though on the latter, a difficult glacier has to be crossed 8 miles long. Both passes are impracticable for ponies.

BY KUKTI PASS:—

		11	144	Fair hill track	Up Barmaor branch of Ravi valley.	Ravi bridge	.....	S. G. F. W. procurable. T. available.	Village.
14	Oolasa	...	...	.....	.....	.....	7076	S. G. F. W. plentiful, T. available.	Large village.
15	Barmaor <i>P. O.—</i>	10	154	...	.....	.....	6650	S. G. F. W. procurable, T. available.	Village.
16	Harsa	10	164	...	.....	.....			

17	Kukti <i>F. B.</i> —	...	12	...	176	...	Difficult path	.....	Kukti pass Chandra Bhaga valley.	.....	.....	17400	Ditto	Ditto.
18	Rupeh <i>Lota</i>	...	25	...	201	...	.....	.....	.....	.....	.....	.....	Ditto	Ditto.
19	Tandi	...	12	...	213	...	.....	.....	.....	Chandra Bhaga bridge	.....	.....	Ditto	Ditto.
OR BY BARA BHAGAL PASS:—														
14	Chanota	...	12	...	140	...	...	Fair hill track	.....	Hulans ridge, Up Ravi valley.	.....	.....	S. G. F. W. plentiful, T. available.	Village.
15	Sutket	...	9	...	154	...	.....	.....	.....	.....	.....	.....	Ditto	Ditto.
16	Chanair <i>Kunaur</i>	...	12	...	166	...	.....	.....	.....	.....	.....	.....	S. G. F. W. procurable, T. available.	Ditto.
17	Bara Bhagal	...	16	...	182	...	Very difficult path	.....	.....	.....	.....	8535	Ditto	Ditto.
18	Camp	...	12	...	194	...	.....	.....	.....	.....	.....	.....	S. F. T. nil, G. W. plentiful.	Halting place.
19	Tandi	...	18	...	200	...	.....	.....	.....	Bara Bhagal pass.	.....	.....	S. G. F. W. procurable, T. available.	Village.
20	Kailing(Kardang) <i>P. O., B., E.</i> —	...	5	...	212	...	Good road passable for laden animals to the Tsarap valley.	.....	.....	Up Bhaga valley right bank.	.....	.....	S. G. F. W. plentiful, T. available.	Chief place Lahoul, Moravian Mission. D. B. at Kardang on left bank of Bhaga river.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XVIII	<i>ROUTE.—contd.</i>	...	...						
21	Kulang <i>E.—</i>	5 ...	218 ...	.....	.....	.....	.....	S. G. F. W. procurable, T. procurable.	Village.
22	Sumdeo Darcha <i>C, E.—</i>	10 ...	240 ...	.....	.....	Kada Tokpo bridge.	10844	Ditto	Ditto, last on road.
23	Patsio <i>C, E.—</i> <i>Tapachand</i>	9 ...	249 ...	.....	.....	Bhaga bridge	12464	S. T. nil, G. F. W. plentiful.	Encamping ground for traders.
24	Zing Zingbar <i>Hut.—</i>	8 ...	257 ...	.....	.....	Bhaga bridge	.....	S. G. F. T. nil, W. plentiful.	Haling place on road to Bara Lacha pass. Pasture across river.
25	Suruj Dul	6 ...	263 ...	Gradual ascent and descent.	 Under Bara-lacha pass not crossed.	Chukum L. Yunan Tso L.	 15417	S. T. nil, W. plentiful, G. F. available.	Ditto.
26	Kenlung <i>Phalangdanda</i>	12 ...	275 ...	.....	Down Yunan valley.	Yunan bridge.	... ..	Ditto	Ditto.
		...	283 ...						

27	Sarchu (Lingti) ... <i>E.—</i>	13	...	...	...	...	...	...	S. T. nil, W. plentiful, G. F. available.	Boundary of Lahoul and Ladak, at junction of Lingti and Yunnan rivers.
	<i>Zamdung Zampa</i> ...	...	...	...	...	...	...	...		
28	Lama Guru ...	13	...	...	...	...	...	...	Ditto	Halting place.
29	Thungchung Kiri	13	...	...	...	...	...	...	Ditto	Ditto.
30	Tso Kum ...	17	...	...	...	...	...	...	Ditto	Ditto.
31	Khiang Shisa ...	12	...	...	...	...	...	...	S. T. nil, G. F. W. procurable.	Hamlet.
32	Latek <i>Khetmoche</i>	14	...	...	...	...	...	...	S. G. F. T. nil, W. procurable.	Halting place.
33	Kiangdom ...	16	...	...	...	...	...	...	G. W. scanty, F. S. T. nil.	Plain at south end of Lake.
34	Lam Tso ...	20	...	...	...	...	...	...	S. G. F. T. nil, W. procurable.	
35	Larsa-le ...	13	...	...	...	...	...	...	S. G. T. nil, F. W. procurable.	
			...	...	...	...	...	...	.....	Two tracks over this pass.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XVIII	<i>ROUTE.—contd.</i>	...	409	...	.....	.....	.....	S. G. T. nil F. W. procurable.	
36	Gongra-le <i>Togra-le</i>	11	417	Swampy track in places.	.....	.....	.....	S. F. and T. nil, G. W. procurable.	
37	Sango Plain	15	432	.....	Up Hanle valley left bank.	.....	14276	S. G. F. W. procurable, T. available.	Village, large monastery, headquarters of district.
38	Hanle <i>E.—</i>	14	446	.....	.....	.....	.....	.....	.....

From Gongra-le there is a path direct to Hanle over the high table land, Thungangeri plain, about 20 miles in length.

XVIII_a ALTERNATIVE ROUTE from TANDI to HANLE by SPITI—

		216	...	...	...	Fair hill road passable for mules, which must swim across Chandra river at Kokser.	Up Chandra valley right bank.	Bhaga bridge	.....	S. G. F. W. plentiful, T. available.	Village.
19	Tandi <i>E.—</i>	...	...	...	...	...	...	...	...	...	...
20	Gundla <i>E.—</i>	8	...	...	221	...	...	.....	10514	S. G. F. W. procurable, few coolies.	Ditto.
21	Sisu. <i>E.—</i>	9	...	...	230	...	...	.....	9938	Ditto	Small ditto.
22	Kokser <i>E.—</i>	10	...	...	240	...	Ditto left bank.	Chandra rope bridge.	10261	Ditto	Ditto.

23	Chahtru Opposite Old Kokser. E.—	13	...	253	...	Road difficult in places and stony.	.....	.....	.....	S. nil. G. F. W. procurable, T. nil.	Halting place.
24	Puti Runi E.—	12	...	265 268	... ...	..... .....	..... .....	..... Bara Shigri torrent and	 Ditto	Ditto	Ditto.
25	Karcha E.—	11	...	276	...	.....	.....	Chota Shigri glacier.	Ditto	Ditto	Ditto.
26	Loisar E.—	16	...	280	...	Easy ascent and descent.	Kunzam pass Down Lichu ravine.	.....	14931	Ditto	Ditto.
27	Kioto E.—	12	...	304 308	... ...	..... .....	Down Spiti valley.	Spiti ford	12395	S. G. F. precarious, W. procurable, few coolies.	Village.
28	Lagudarsi E.—	11	...	315	...	Road difficult, not passable for laden mules.	Up Lagurdasi valley.	.....	.....	Ditto	Small ditto.
29	Dakar Kuru E.—	19	...	334	...	.....	Takling La or Suma La.	.....	.....	W. procurable, T. nil	Halting place.
30	Tradang E.—	15	...	349	...	.....	Down Parechu valley.	.....	.....	Ditto	Ditto.
31	Narbu Sumdo E.—	9	...	358	...	Bad path	Right bank	.....	15300	Ditto	Ditto.
32	Chumar E.—	18	...	376	...	.....	Down Parechu valley.	Parechu	.....	S. G. F. precarious, W. procurable, T. nil.	Lama monastery.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND CROSSINGS MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XVIII	<i>a ROUTE.—contd.</i>	18	376	...	...	...	.....	...	...
33	Chepzi	10	386	...	Up Kymusan Lung.	.....	.....	S. G. F. precarious, W. procurable, T. nil.	Chinese frontier.
34	Nakkerole	9	395	...	.....	.....	.....	W. procurable, T. nil	Spring do.
			402	...	Kyung Zing La.	.....	.....	...	...
35	Kar-Le	17	410	...	.....	Hanle ford.	.....	Ditto	Halting place.
			412	...	.....	.....	.....	Ditto	Ditto.
36	Trakarpo	12	419	...	Nara pass.	.....	.....	...	...
	<i>E.—</i>	...	424	...	.....	.....	.....	...	...
			429	...	.....	Hanle ford.	.....	...	...
37	Hanle	10	434	...	.....	.....	14276	S. G. F. W. procurable, T. available.	Village and Buddhist Monastery on left bank Hanle river.

Between Kioto and Narbu Sumdo there is an alternative track by the Parang La as under, open from July to September inclusive, the scenery wild and magnificent.

27	Kioto	...	...	...	Track fit for men and yaks only.	.....	.....	S. G. F. precarious, W. procurable, few coolies.	Small village.
			304	...	.....	.....	.....	...	...
			305	...	.....	Lagudarsi	.....	...	...

28	Kiwar	...	15	...	319	...	.....	.....	13400	S. G. F. W. and T. available.	Large village.
29	Jugtha	...	12	...	331	...	Steep and rough ascent and four miles of glacier on descent.	 Parang La	16000 18300 16000	G. F. W. procurable, T. nil. W. procurable.	Halting place. Ditto.
31	Umdung	...	17	...	358	...	.....	.....	.....	Ditto	Ditto.
32	Narbu Sumdo	...	20	...	378	...	.....	.....	15300	G. F. W. procurable, S. T. nil.	Ditto.

From Kiwar 319 miles down Spiti valley right bank, in a S. E. direction Ki Monastery 324 miles, Kaja 331 miles, Lara 339 miles, and Dankar 12,774 feet 347 miles, chief place of Spiti are reached.—S. G. F. W. and T. available throughout.

XIX JAMMU to HURDWAR by SIMLA—

	Jammu <i>P. O., T. O., D. B.,—</i>	...	...	0	...	.....	Across Tawi drainage.	 Tawi bridge.	1200	S. G. F. W. abundant, T. ample.	Large town, cantonment and capital of Jammu State.
1	Ismailpur	...	12	...	9 12	 Track across undulating country at foot of hills, broken by ravines and well cultivated.	 Across Degh drainage.	Balal ford. Basantha ford. .....	.....	S. G. F. W. scarce, T. nil.	Hamlet.
2	Samba <i>E.—</i>	...	13	...	25	...	.....	.....	.....	S. G. F. W. moderate, T. available.	Small town and tehsil.
3	Aleh	...	12	...	37	...	.....	.....	.....	S. G. F. W. scarce, T. nil.	Hamlet.
4	Jasrota	..	12	...	49	...	.....	Chalybeate spring, Woojha ford.	.....	S. G. F. W. procurable, T. available.	Small town and bazar, headquarters of district.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
XIX	<i>ROUTE.—contd.</i>	12 ..	49 ..	.....	.....	.....	.....	S. G. F. W. plentiful, T. ample.	Small town and tehsil on right bank of Ravi river.
5	Kuttoah <i>P. O.—</i>	12 ..	61 ..	.....	.....	Ravi ferry.	1137	Ditto	Bazar and canal workshop.
6	Madhopur <i>P. O., D. B., E.—</i>	6 ..	67 ..	Road fit for wheeled traffic during year.	.....	.....	.. ..	Ditto	Bazar and terminus of branch railway from Amritsur.
7	Puthankot <i>P. O., T. O., hotel, C., E.—</i>	8 ..	75 ..	.....	.....	Chukee bridge	2050	S. G. F. plentiful, W. scarce and bad, T. ample.	Town and bazar, old fort.
8	Nurpur <i>P. O., D. B., E.—</i>	16 ..	91 ..	Fair weather, cart-road through low hill country, well cultivated.	Across Beas drainage.	.....	3184	S. G. F. procurable, water plentiful, T. available.	Ancient town.
9	Kotla, or Triloknath. <i>P. O., B., E. small.—</i>	14 ..	105 ..	.....	.....	Daira bridge	3148	Ditto	Village.
10	Shahpur <i>P. O., B., E. fair.—</i>	11 ..	116 ..	.....	.....	Burhal bridge.	.....	.....	.....
			120 ..	.....	.....	Khouli bridge.	.....	.....	.....
			134 ..	.....	.....	Guj nullah	.....	.....	.....
				.....	.....	Manji nullah.	.....	.....	.....

11	Kangra <i>P. O., D. B., E. fair—</i>	13	...	129	...	.....	.....	.....	2419	S. G. F. W. plentiful, T. ample.	Fort on top of rock 150 feet above Bangunga.
12	Ranital <i>B., C.—</i>	9	...	136	4	.....	.....	Bangunga nullah.	.....	S. G. F. W. procurable, T. nil.	Small village.
13	Jualamukhi <i>B., C., E.—</i>	11	4	149	4	.....	.....	Naphtha springs under Changa mountains.	1883 } 3284 }	S. G. F. W. plentiful, T. available.	Small town, celebrated place of pilgrimage.
14	Nadaon <i>P. O., E.—</i>	6	4	156	...	Good road through low hill country, well cultivated, pretty scenery.	Across Beas drainage	Beas ferry	.. ..	S. G. F. W. plentiful, T. ample.	Small town on left bank Beas.
15	Hamirpur <i>P. O., B.—</i>	14	2	170	2	.....	Across Sutlej drainage.	.....	.....	S. G. F. after notice, W. plentiful, T. nil.	Village.
16	<i>Mairki Hati</i>	...	...	180	...	.....	.....	.....	.....	Ditto	Small village.
17	Dangoh	16	...	186	2	.....	.....	Sher Khud	.....	S. G. F. after notice, W. plentiful, T. nil.	Ditto.
18	Kunar Hati	8	...	194	2	Fair hill road	.....	.....	.....	S. G. F. W. plentiful, T. available.	Town on left bank Sutlej, bazars.
19	Belaspur <i>E. extensive.—</i>	9	...	203	2	Good broad road	.....	Sutlej ferry	.....	S. G. F. scarce, W. procurable, T. nil.	Hamlet.
20	<i>Bujane</i>	...	...	213	5	.....	.....	.....	.....	S. G. F. after notice, W. plentiful, T. nil.	Village.
21	Sahiki Hati	21	6	225	...	Road fair with steep ascent.	Ascending spur.	.....	.....	Ditto	Small village.
22	<i>Kuniar</i>	...	...	236	...	.....	.....	.....	.....	S. G. F. W. procurable, T. nil.	Small bazar.
23	Sairi <i>B., E. small.—</i>	20	...	245	...	Road fair for laden animals.	Along ridge of spur.	Ghumbur bridge.	.....		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	m.	f.						
XIX	<i>ROUTE.—contd.</i>	20	...	245	...	...	...	...	...	...
21	Simla <i>P. O., T. O., hotels, C— Sanjoli</i>	10	...	255	...	...	.....	7084	S. G. F. abundant, W. scarce, T. ample.	Summer Capital of India. Large town and bazars.
22	Phagu <i>B.—</i>	12	...	267	Road good, through Tunnel, thick forest, with fine scenery.	.....	.....	8178	S. G. F. procurable, W. scarce in dry season, few coolies.	Small bazar.
23	Sainj	8	...	275	.....	Across Giri drainage.	Giri ford.	8300	S. G. F. W. procurable few coolies.	Village, Bunniahs' shop half mile off.
24	Dhar or Godhna	7	...	282	Along top of spur through oak forest.	.....	.....	.....	Ditto	Small village.
25	Patar nala	6	...	288	.....	Across Tonse drainage.	Giri ford.	9368	S. nil, G. F. W. procurable, T. nil.	Hamlet.
26	Chipal	10	...	298	.....	.....	.....	7695	S. scarce, G. F. W. procurable, few coolies	Village.
27	Piantra or Kedi	11	...	309	.....	.....	.....	.....	Ditto	Small village.
		...	...	311	.....	.....	Shatru ford.	.....		

28	Tikri or Pehri	8	317	...	Fair hill road through forests and beautiful scenery through precipitous country.	Across Tonse drainage.	.....	.....	S. scarce, G. F. W. procurable, T. nil.	Village.
29	Mandholi <i>B.—</i> <i>Zeemi</i>	5	322	...	.....	.....	.....	.....	Ditto	Ditto.
30	Maindrot <i>F. B., E. good.—</i>	9	327	...	.....	.....	.....	Tonse bridge wire suspension.	S. nil, G. F. W. procurable, T. nil.	
31	Kutiyan <i>F. B.—</i>	9	331	...	.....	Jakna Leni	.....	.....	Ditto, W. far off.	
	Lokur <i>F. B.—</i>	...	340	...	.....	Across Jumna drainage.	.....	.....	Ditto, W. near.	
32	Kinanipani <i>E. extensive—</i> Deobun <i>F. B.—</i>	12	346	...	Road good, easy gradient top of ridge between Tonse and Jumna.	.....	.....	.....	Ditto.	
33	Chakrata <i>P. O., B.—</i>	15	352	...	.....	.....	.....	.....	S. G. F. W. plentiful, T. ample.	Military Cantonment.
34	Pokri <i>B.—</i> Shevalia <i>D. B.—</i>	9	363	...	Good hill road fit for riding and laden animals.	.....	.....	.....	S. nil, G. F. W. procurable, T. nil.	Usual halting place.
35	Nagtat	8	376	4	.....	.....	.....	.....	Ditto.	
36	Lakwar <i>B.—</i>	7	379	4	.....	.....	.....	Jumna bridge iron suspension.	S. G. F. W. procurable, few coolies.	Village.
37	Masuri or Lander <i>P. O., T. O., hotels, C.</i>	17	384	4	Good hill road	.....	.....	6580 } 7433 }	S. G. F. W. abundant, T. ample.	Hill sanatorium, convalescent depot, town and bazar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLINGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA-LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XIX	<i>ROUTE—contd.</i>	17	4 409	...					
38	Rajpur <i>P.O., hotels, C.—</i>	7	4 416	4	.....	....	.....	S. G. F. W. abundant, T. ample.	Small town.
39	Dehra <i>P.O., T.O., hotels, C.</i>	7	... 423	4	.....	.....	2347	Ditto	Military Cantonment, Civil Station, town and bazar.
40	Lachiwala	10	6 434	2	Down Ganges drainage. .....	.....	1680	S. G. F. W. scarce, T. nil.	
41	Kunshrao	8	... 442	2		.....	1360	Ditto.	
42	Hurdwar <i>P.O., T.O., D.B., C., E.</i>	12	... 454	2		.....	1050	S. G. F. W. abundant, T. ample.	Small town and bazar, celebrated bathing ghat on Ganges river.

 XIX_a ALTERNATIVE ROUTE from JAMMU to PUTHANKOT—

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLINGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA-LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
	Jammu <i>P. O., T. O., D. B.—</i>		0	.....	.....	.....	1200	S. G. F. W. abundant, T. ample.	Capital of Jammu State, cantonment, town and bazars.
1	Bishenath	11	... 11	.....	Across Chenab drainage.	Tawi bridge. Balal ford. .....	.....	S. G. F. W. procurable, T. nil.	Village.
	<i>Keri</i>	...	... 15	.....	.....	Aik ford.			

2	Bagalade Chuk...	11 ...	22 ...	Track across flat, open and cultivated country.	.....	.....	.....	Ditto	Small village.
3	Rajpur	13 ...	26 ...	.....	.....	Degh ford.	.....	Ditto	Village.
4	Rampur	12 ...	35 ... 37 ...	..... .....	Across Ravi drainage.	Beyn ford.	.....	Ditto	Small village.
5	Kuttoah P. O.—	13 ...	47 ... 50 ...	..... .....	.....	Oofh ford.	.....	S. G. F. W. plentiful, T. ample.	Small town and telsil.
6	Madhopur P. O., D. B., E.—	6 ...	60 ... 63 ...	..... .....	.....	Ravi ferry.	1137	Ditto	Bazar and canal workshop.
7	Puthankot P. O., T. O., hotel, C. E.—	8 ...	66 ... 74 ...	Road fit for wheeled traffic during year. .....	.....	.....	.....	Ditto	Bazar and terminus of branch railway from Amritsur.

XX JAMMU to LUDIANA by GURDASPUR and HOSHIARPUR—

1	Jammu P. O., T. O., D. B.—	... ..	0 ... 1 4 6 ..	Rough cart-road over cultivated country.	Across Tawi drainage.	 Tawi bridge. Balal ford.	1200	S. G. F. W. abundant, T. ample.	Capital Jammu State, canton- ment, town and bazar.
	Bishenath	11 ...	11 ... 15 ...	..... .....	Across Aik drainage.	 Aik ford.	.....	S. G. F. W. procurable, T. available.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XX	<i>ROUTE—contd.</i>	...	...						
2	Saidgurb	12	23	Track across open country.	Across Degh drainage.	 Degh ford.	.....	S. F. nil, G. W. procurable, T. nil.	Hamlet.
3	Zafarwal <i>E. nil.—</i>	10	33	Cart-road well raised, nullas overflow during the rains and are difficult to cross.	Across Ravi drainage.	.....	.....	S. G. F. procurable, W. plentiful, T. available.	Large village.
4	Ghurib Shah <i>E. good.—</i>	9	42 45 49	.....	.....	..... Keri river. Choa river.	.....	S. G. F. after notice, W. plentiful, T. nil.	Small village.
5	Nurkikot <i>E. good.—</i>	9	51	.....	.....	.....	.....	Ditto	Village.
6	Nynakot <i>E. good.—</i>	8	55 60	.....	.....	Beyn ford.	.....	Ditto	Ditto.
7	Trimu Ghat <i>E. one mile from river.—</i>	5	64 65	Road metalled and bridged, flat, open country, fairly cultivated.	.....	Ravi ferry.	.....	Ditto	On left bank Ravi.

8	Gurdaspur <i>P. O., T. O., D. B., E. good.—</i>	9	6	74	7	.....	.....	.....	S. G. F. W. abundant, T. ample.	Small civil station and railway sta- tion on branch line from Amritsur.
9	Nowshera Ghat.. <i>E. good near river.—</i>	10	2	85	1	Road unmetalled and nullahs un- bridged, good in fair weather; flat, open and well cultivated country, along foot of Sohan range.	.....	.....	S. G. F. procurable in vicinity, W. plenti- ful, T. nil.	On right bank Beas.
10	Mokerian <i>P. O., E. good.—</i>	5	2	90	3	.....	.....	.....	S. G. F. procurable, W. plentiful, T. available.	Small town.
11	Dusschah <i>P. O., E. good.—</i>	9	...	99	3	.....	.....	.....	Ditto	Village. Hence road to Jullunder 37½ miles south.
12	Ghurdeewala <i>E. good.—</i>	7	7	107	2	.....	.....	.....	Ditto, T. nil.	Small village.
13	Hurriana <i>P. O., E. good.—</i>	9	1	116	3	.....	.....	.....	Ditto	Village.
14	Hoshiarpur <i>P. O., D. B., C. E. confined.—</i>	8	4	124	7	Unmetalled road fit for wheeled traffic.	Flowing southwards.	Chow.	S. G. F. W. plentiful, T. ample.	Small civil station.
15	Muhtianah <i>E. good.—</i>	12	...	136	7	.....	.....	.....	S. G. F. W. procurable, T. available.	Village.
				142	...	.....	.....	Beyn ford.		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE.	m.	f.						
XX	<i>RÔUTE—contd.</i>	...	...	142	...			...		
16	Phugwara	...	11	2	148	1	.....	.....	S. G. F. W. plentiful, T. available.	Large village and station on N. W. main line.
17	Phillour <i>P. O., T. O.—</i>	...	11	6	159	7	.....	.....	S. G. F. W. plentiful, T. ample.	Fort, town and station on N. W. main line.
18	Ludiana <i>P. O., T. O., D. B., C. E. confined.—</i>	...	9	4	169	3	.....	.....	S. G. F. W. plentiful, T. ample.	Large city, civil station and rail- way station on N. W. main line.

From Zafarwal there is an alternative track to Nynakot thus : Zafarwal 33 miles, Sheikopur Chak 43 miles, Shukargurh 53 miles and Nynakot 61 miles 5 ft. From Gurdaspur there is an alternative route to Hoshiarpur thus : Gurdaspur 74 miles 7 furlongs, Satali 87 miles, Beyt ferry over Beas river 99 miles, Tandah 107 miles, Bulawal 119 miles, Hoshiarpur 129 miles. From Tandah, however, to Hoshiarpur, the road is bad across broken country. From Tandah 107 miles a branch road by Kalabukra 120 miles, to Jullundur 134 miles. From Dussolah there is a good branch road to Jullundur thus : Dussolah 99 miles 3 furlongs, Tandah 110 miles 1 furlong, cross Beyn river twice, Kalabukra 123 miles 1 furlong, Jullundur 137 miles 1 furlong. From Hoshiarpur there is a metalled and bridged road to Jullundur thus : Hoshiarpur 124 miles 7 furlongs, Adumppoor 138 miles 1 furlong, Jullundur 149 miles 1 furlong, crossing the Beyn bridge at 139 miles.

XXI POONCH to JAMMU by RAJAORI—

1	Poonch P, O., D, B., E.—	...	...	...	0	...	...	Fair hill road pass- able for 1 a d e n animals through- out, parts in this section cut up by recent high floods.	Up Suran valley.	 Dungli bed. Mandi ford. Suran bridge	3300	S. G. F. W. abundant, T. ample.	Town, fort, bazar and capital of Poonch State. Small village.
	Suran B., E.—	...	14	...	6	...	...	.....	.....	.....	4300	S. G. F. procurable, W. plentiful, T. scanty.	
	<i>Biffing</i>	...	...	...	16	...	...	.....	.....	Ditto	7000		
		...	...	...	22	...	...	.....	Mildheri gulli.	Ditto			
		...	...	...	26	...	...	Last mile of ascent steep, descent easy.	.....	.....			Road to Baram- galla.
2	Thanna Mandi B.—	...	16	...	30	...	...	Old made road in fair order, kept up and in use by traders.	Down Tohi valley left bank.	Tohi ford.	4580	S. G. W. F. T. plentiful.	Bazar and trade depôt.
	<i>Sej</i>	...	...	...	31	...	...	.....	.....	.....			Imperial serai on top of hill.
	<i>Futtehpur</i>	...	...	...	38	...	...	.....	.....	.....			Imperial serai.
		...	...	...	41	...	...	.....	.....	Durhal ford.			
		...	...	...	42	...	...	.....	.....	.....			
3	Rajaori (Rampur) P, O., B., E.—	...	14	...	44	...	...	.....	.....	.....	3094	S. G. F. W. T. plentiful	Small town, tehsil, bazar, stone built.
		...	...	...	46	...	...	.....	.....	Kandal ford.			
		...	...	...	47	...	...	.....	.....	Jamoola "			
		...	...	...	50	...	...	.....	.....	Diloori "			
4	Sialsui B., C., E.—	...	14	...	58	...	...	.....	Sialsui spur Across Golab- garh drainage.	.....		S. scarce, G. F. W. procurable, T. scanty.	Small village.
		...	...	...	59	...	...	.....	.....	Golabgarh bridge.			
		...	...	...	66	...	...	.....	.....	.....			
5	Dharmisal B., C., E.—	...	10	...	68	...	...	.....	Dharmisal spur Across Rnd drainage.	.....		S. G. F. procurable, W available, T. scanty.	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.				NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.	m.	f.						
XXI 6	ROUTE—contd. Thandapani B., C., E—	10	...	68	...	Rough and stony road in crossing both ranges to Aknoor, narrow and steep at the passes. Rough cart-road after crossing the Chenab river.	 Kalidhar range. Ambi pass. Chenab valley	Rad bridge. Koonar Kund. Chenab ferry.	1460	S. scarce, W. plentiful, T. nil.	Village one mile distance from Baradari.
		10	...	78	...						
7	Choki Chowra E—	12	4	90	4				2150	S. G. F. after notice, W. procurable, T. nil.	Halting place.
8	Aknoor P. O., F.B., C., E—	13	4	104	...				1123	S. G. F. W. plentiful, T. available.	Small town, fort and bazar on right bank Chenab.
9	Jammu P.O., T.O., D.B., C., E.	16	...	120	...		Tawi valley.	.....	1200	S. G. F. W. and T. ample.	Large town, bazar and capital of Jammu State.

This old Imperial road is at present in use for the march of troops.

This old Imperial road is at present in use for the march of troops. From Rajaori 44 miles a track branches off eastwards up the Kandal nullah to Piri 56 miles across the Jaoli spur to Obhi on the Ans river 65 miles, and crossing the latter the road goes to Budil 76 miles.

crossing the latter the road goes to Budil 76 miles. About three miles east of Salsui is a Tatapani or hot spring, which is much frequented locally for cure of rheumatism, &c. There is a coal outcrop close by and others at Kalakot, Seri, Mehugala, &c. in the vicinity. This appears to have been the locality visited by Mr. Vigne and mentioned by him in his book; the place is worth seeing.

XXXI^a POONCH to RAJAORI by BHIMBER GULLI—

Poonch <i>P. O., D. B., E. —</i>	...	...	0 ...	Fair road to Chilas, stony hill track on ascent to gulli, easy descent.	 Chilasi gulli	Suran ferry. 	3300 4500	S. G. F. W. and T. ample.	Town, fort, bazar and capital of the Poonch State.
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	<i>Gani</i>	...	...	...	9	...	Good road along the valley passable for laden animals.	Up Mehndur valley right bank.		2800	S. G. F. W. and T. procurable.	Village.
1	Sagra	...	12	...	12	...						
	<i>Mankot</i>	...	...	...	15	...						
	<i>Sukhi Sarwar</i>	...	...	...	20	...	.....	.....	Tatti baoli	.....	.....	Ancient temple in ruins.
2	Dharmisal <i>E.—</i>	...	9	...	21	...	Gentle ascent to pass along the Tar ridge and easy descent down Charkot valley, crossing numerous ravines.	.....	Mehndur ford	3100	Ditto	Large village and tehsil.
					27	...		.....	Narayan baoli	4650	.....	Spring pure water
					29	...		Bhimber gully Down	.....	5170		
3	Petrara	...	12	...	33	...		Charkot valley	Cross Charkot river several times.	.....	S. and T. precarious, G. F. W. procurable.	Small village.
4	Rajaori	...	12	...	45	...	.....	.....	.....	3094	S. G. F. W. and T. plentiful.	Small town, bazar, tehsil, stone built.

This route is usually taken in winter when the Milidheri pass 7,000 feet, above Bifflaj, is closed by snow.

The water in this Mehndur valley is not of good quality, though drinkable.

In the first march, the camp can be pitched at Gani about one mile beyond the pass, if preferred. Supplies not procurable, but all else can be furnished.

Good water available at Tatti baoli built by Raja Buldeo Singh and at Narayan baoli built by order of Maharaja Golab Singh.

The ordinary route from Poonch, after crossing the Suran river, follows down the left bank of this river to its junction with the Mehndur river and ascends the right bank of the latter to Sagra, distance 18 miles passable for laden animals.

The hill range between the Suran and Mehndur rivers may be crossed at other gullies, which though higher, give a more direct line between Poonch and Dharmisal.

An alternative route is up the Suran right bank to Suran, where cross river by bridge, ascend the Gerawali pass, and go across three intervening spurs by Parat to the Sangiot gully, thence descend down the Sangiot nala, which falls into the Charkot river, one march above Rajaori.

Cross roads go from Dharmisal northwards to Suran, by Uri and the Gosai pass 5,150 feet, 12 miles long, and by Herin and the Gerawali pass 5,230 feet, 12 miles long; the latter is said to be the best for ponies.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XXII POONCH to GUJRAT by RAJAORI—									
1	Poonch P. O, D. B, E—	...	0 ... 4	Fair hill road, pass- able for laden animals through- out. Parts in this section cut up by recent high floods.	Up Suran valley.	... Dungli bed Mandi ford.	3300	S. G. F. W. abundant, T. ample.	Town, fort, bazar and capital of Poonch State.
	Suran B.—	14 ...	14 ... 16	.....	..... .....	Suran bridge Ditto	4300	S. G. F. procurable, W. plentiful, T. scanty.	Small village.
	Biftiaj	...	22 ... 26	Last mile of as- cent steep, des- cent easy.	 Milidheri gully.	Ditto	7000		
2	Thanna Mandi ... B, C.—	16 ...	30 ... 31	Old made road in fair order, kept up to Naoshera and much used by traders.	Down Tohi valley left bank.	 Tohi ford.	4580	S. G. F. W. T. plentiful.	Imperial serai, bazar and trade depôt.
	Saj	...	38 ... 41	.....	.....	.....	.....	.....	Imperial serai on top of hill.
	Futtehpur	...	42 ... 44	.....	.....	Durlial ford.	3094	S. G. F. W. T. plentiful.	Imperial serai. Small town, tehsil, bazar, stone built. Old serai in ruins.
3	Rajaori (Rampur) P. O, B, E—	14 ...	45 ... 48	.....	Ditto right bank.	 Tohi ford.	.....	.....	
	Moradpur	...	54 ... 59	.....	.....	Panda ford.	2340	S. G. F. W. plentiful, coolies available.	Serai and village.
	Palmakot	...	64 ... 67	.....	.....	Lilali baoli Chopi ford.	2000	.....	Spring pure water.
4	Chingas Serai ... B, C.—	15 ...	70 ...	.....	Chaini spur	.....	2400		
	Nadpur Serai	...		.....					

5	Naoshera <i>P. O., B., C., E.—</i>	13	4	72	4	Hence the road, though made, has in many parts fallen into bad order, very rocky and stony in crossing both ranges.	.....	Janbir "	1800	Ditto	Small town, bazar, serai, fort, tehsil 200 feet above Tohi.
6	Saidabad <i>B., C., E.—</i>	12	4	85	...	Down Bhimber valley.	Koman Gosha	Crossed river bed 4 times.	2870	S. G. F. W. plentiful, T. available.	Samani village 2 miles off westwards.
7	Mitvat Bhimber <i>P. O., B., C., E.—</i>	...	...	92	4	Aditak range	Down Bhimber valley.	Bhimber river forded 6 times.	2000	Ditto	
8	Kotla <i>D. B.—</i>	14	...	95	...	Cart-road hence, cut up in places to Kotla, fair dry weather road, unbridged and unmetalled to Gujrat, over which ekkas and tongas can travel.	Down Bhimber valley.	.....	1060	S. G. F. procurable, W. from wells, few coolies.	Small town, bazar, head-quarters of district or zillah. Small village.
9	Daulatnagar <i>P. O., D. B.—</i> <i>Gujrat City</i> <i>P. O., T. O., C., E. on G. T. Road—</i>	8	...	115	4	.....	.....	Bhundur ford	980	Ditto.	Larger village.
10	Gujrat Railway Station <i>P. O., T. O., D. B.—</i>	...	...	121	...	.....	.....	.....	.....	S. G. F. W. plentiful, T. ample.	Large city and civil station.
		13	4	127	...	.....	.....	.....	.....	.....	On N. W. Railway.

From Bhimber 99 miles there is a tract by Barnala 117 miles, Minawur 129 miles, where the Tohi river is crossed by ford or boat, Amirpur 137 miles, Phulkian 143 miles, where the Chenab river is crossed by ferry boat, and a rough cart-road thence to Sialkot 160 miles on the branch railway Wazirabad to Jammu. There are Dāk Bungalows at Phulkian and Sialkot. This route is not recommended, owing to the difficulty of crossing baggage over the quicksands of the Tohi river, over the low inundated country between Minawur and Amirpur, and over the five branches of the Chenab met between Amirpur and Phulkian, two of which are deep, after which the Chenab river has to be crossed.

From Daulatnagar 115 miles 4 furlongs there is a cross-country road eastwards by Julalpur 126 miles, over the Chenab ferry at Muhatah 136 miles to Sialkot, 150 miles from Poonch.

Imperial serais of the Mogul period are met with at Thanna Mandi, Saj, Futehpur, Rajaori in ruins with garden and Baradari on the opposite bank of the river, Moradpur in ruins, Chingas, Narya in ruins, Nadpur, Naoshera with Baolbagh, Koman Gosha Choki, Saidabad with garden and remains of stone bund or dam across river and at Bhimber. At Naoshera, there are inscriptions on stone tablets on north side of the Baoli well and over the entrance gateway to Serai fort.

The bungalow of four rooms at Suran, Thanna, Rajaori (Baradari), Chingas Serai, and Naoshera are in fair order, that at Saidabad is at present in bad order, that at Bhimber requires much repair, the Dāk Bungalows at Kotla, Daulatnagar and Gujrat are excellent.

At one mile west of Saidabad on the road to Samani, an ancient Hindu temple in ruins called Dera may be seen with a platform and stone wall enclosure.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XXIII POONCH to LALA MUSA by KOTLI—									
	Poonch <i>P. O., D. B., E.—</i>	..	0 ..	Rough hill road, very stony, passable for mules, steep ascent to Saira; thence over rugged broken ground difficult in places to Kotli.	Down Poonch valley left bank.	Suran ferry. Mendola ford.	3300	S. G. F. W. abundant, T. ample.	Village and thanna.
1	Saira <i>B.—</i>	16 ..	13 ..		.....	.....	2950	S. G. F. procurable, W. from river, T. available.	Large village, bazar and tehsil.
2	Kotli <i>P. O., B., E.—</i>	..	30 ..	Good road over fine plain, well cultivated, passable for laden animals.	Up Ban valley.	Neli ford.	1980	S. G. F. plentiful, W. from spring, T. ditto	Town, fort, bazar and capital of the Poonch State.
	<i>Dunna</i>	..	38 ..		.....	.....	.....	W. scarce.	Hamlet.
3	Koireta	16 ..	46 ..	.....	.....	.....	2450	S. G. F. procurable, W. from wells, T. scanty.	Large village, encamp at Guri Ziarat.
	<i>Bundal</i>	..	52 ..	.....	.....	.....	.....	.....	Hamlet.
4	Dhumsala	12 ..	58 ..	Fair hill road over easy slopes.	.....	Waterfall	2700	S. G. F. scanty, W. from nullah, few coolies.	Ditto.
	<i>Makri</i>	..	61 ..	.....	Panch Pir gulli.	.....	2925		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XXXIV POONCH to JHELUM by KOTLI and MIRPUR—									
	Poonch	...	0 ...	Rough hill road very stony, steep ascent in steps to Saira; thence over rugged broken ground to Kotli, passable for mules, but difficult in places.	Down Poonch Toi or Palasta left bank.	Suran ferry. Mendola ford	3300	S. G. F. W. abundant, T. ample	Town, fort, bazar and capital of Poonch State.
1	Saira	...	16 ...		.....	.....	2950	S. G. F. procurable, W. from river, T. available.	Village and thanna.
2	Kotli	...	30 ...	Very rough hill road not passable for baggage animals.	.....	.....	1980	S. G. F. plentiful, W. from springs, T. available.	Large village, bazar and tehsil.
	Derarli	...	36 ...		.....	Ban ford.		S. G. F. scarce, W. from spring, T. nil.	Hamlet.
3	Goalpur	...	42 ...	Riding pony can be led by taking detours. Most of these 3 marches must be done on foot.	.....	.....	.....		
	Trochi fort	...	43 ...						
		...	44 ...		.....	Mamuli ford.			
	Narh	...	48 ...	.....					
4	Radan	...	57 ...	.....	.....	.....	.....	S. G. F. scarce, W. plentiful, few coolies.	Village.
	E.—								

5	Chaomukh	...	9	...	66	...	Fair hill road pass- able for laden animals over stony ground.	Leave valley and cross Mirpur plateau. Balar pass	Poonch ferry	1118	Ditto	Large village.
6	Mirpur	..	10	...	76	...			.....	1236	S. G. F. W. plentiful, T. available.	Small town, bazar and tehsil.
7	Katiali	...	13	...	89	...	Rough cart-road	Jhelum valley	Jhelum ferry	.....	S. G. F. scarce, W. plentiful, T. nil.	
8	Jhelum	...	10	...	99	...	.....	.....	.....	765	S. G. F. W. abundant, T. ample.	Cantonment, civil station, city and head-quarters of district.

This is the line that would probably be taken by a cart-road or railway, if one be ever made between Poonch and Jhelum.

From Poonch, after crossing the Suran river, there is a direct track to Kotli crossing two hill ranges by the Chilasi gully and Nilidheri-ki gulli and the Mehndur river between at Mankot. The Chilasi gully is 4,500 feet, the Mehndur river crossing 2,700 feet, and the Nilidheri-ki gully 4,195 feet above the sea. The distances from Poonch are Chilasi gully 5 miles, Mankot 15 miles, Nilidheri-ki gully 18 miles, and Kotli 30 miles.

From the 43rd mile a road ascends up the Mamuli valley by Bal to Dharnsala about 20 miles in length.
From Mirpur 76 miles, there is another track to Mangla ferry under the old fort on the Jhelum river, 87 miles, and a road thence to the Dina Station on the N.-W. Railway 97 miles from Poonch.

XXV POONCH TO JHELM BY SENSAR and TANGROT -

	Poonch <i>Note</i>	...	...	...	0	...	Rough hill track, very stony throughout to Tangrot, and diffi- cult in places for laden mules, which, however, can get through; the ascent and descent over the Chumba pass is most trying.	Down Poonch valley right bank.	 Baoli. Kai ford Baoli Hot springs Sarsawa ford	3300 2830 2630 2460	S. G. F. W. abundant. S. G. F. W. T. procurable.	T. T. Poonch State. Hamlet Old ruined temple called Dera. Large village, hot springs in lime- stone rocks on edge of Poonch river.
1	Ser <i>E. on Kai bed Mendol</i>	...	...	...	9	2		.....	.....	2830	S. G. F. W. T. procurable.	
2	Tai <i>E. on Poonch bed</i>	..	...	...	...	...		.....	Hot springs	2170	Ditto	150° Fahr.
		...	10	...	20	...		Chumba gully .....	.....	3900		
		...	...	...	27	...				2000		
		...	...	...	36	...						

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XXV	<i>ROUTE—contd.</i>	...	...						
3	Sarsawa <i>E.— Novi Brunian</i>	17	...	.....	.....	Baoli	2500	Ditto	Large village and bazar.
		...	40	.....	.....	Karnoti ford	2100		
		...	43	.....	Baroi pass	Baoli	3158		
4	Sensar <i>E.— Choch</i>	10	47	.....	.....	Ditto	2300	Ditto, W. scarce in Jammu.	Village and shop.
		...	51	.....	Khaira gully	.....	2936		
		...	54	.....	.....	Baoli	2650		
	Biari <i>E.— Dadial</i>	12	59	.....	.....	Ditto	1492	S. G. F. T. scarce, W. indifferent.	Hamlet.
		...	66	.....	.....	.....	1200	...	Small bazar.
	Tangrot <i>D. B.—</i>	15	72	Rocky ascent and stony descent. Fair road to Shikarpur, whence rough cart-road to Jhelum over cultivated plain.	Chana spur.	Jhelum ferry	1000	S. G. F. W. T. procurable.	Junction of Poonch and Jhelum rivers.
7	Shikarpur <i>B.—</i>	12	86	.....	.....	.....	.....	Ditto	Hamlet.
8	Jhelum <i>P.O., T.O., D.B., C.E.</i>	13	99	.....	.....	.....	765	S. G. F. W. T. abundant.	Cantonment, civil station, town, head-quarters of district and station on N.-W. Railway.

This route follows the right bank of the Poonch, Toi or Palasta river down to its junction with the Jhelum at Tangrot and crosses the Jhelum by a boat ferry. Good fishing at Tangrot and in many places up the Poonch river to Poonch. From Tangrot, small and large boats can be floated down the rapids of the Jhelum river to Jhelum City.

At Tai hot springs there is a boat ferry, by which people can cross to left bank and join the road to Kotli, distant 9 miles.

From Sarsawa and Sensar are also roads to Kotli, distant 6 and 12 miles respectively.

From Sensar 41 miles there is a track north-west by Tara Kila to the Owen ferry on the Jhelum in length 16 miles, another west to the Salgraon ferry over the Jhelum 59 miles, thence to Kolar 77 miles, and to Mandra Railway Station 88 miles, and a third to the Danguli ferry over Jhelum, thence by Bewal to Gujar Khan Railway Station.

From Shikarpur 86 miles, there is a cart-road 6 miles long to Dina Station on N.-W. Railway.

XXVI POONCH to RAWUL PINDI by LUCHMUN BATEA—

	Poonch <i>P. O., D., B., E.—</i>	...	...	0 ...	Rough hill tract, very stony, pass- able for laden animals.	Down Bitarh valley. K a i Up Palungi valley. Cross spur	Bitarh ford. Baoli. Baoli. Kai ford. Tilni ford.	3300 2830 2900 3200 5330 4510	S. G. F. W. and T. ample. S. G. F. moderate, W. plentiful, few coolies.	Town, fort, bazar and capital of Poonch State. Post and hamlet fort on ridge. Village. Ditto and thanna.
1	<i>Note</i> <i>Ser</i> <i>Dearand</i> Hazira <i>E.—</i> <i>Palungi</i>	...	...	7 ... 9 2 12 ... 15 3	 Track has fallen out of order, and has become very difficult for laden animals.	 Tangi gully Across head Sarsawa valley. Cross ridge Across Jhe- lum valley.	 Nehrian ford Runga ford. Jhelum ferry	2830 2900 3200 5330 4510	S. G. F. moderate, W. plentiful, few coolies.	Post and hamlet fort on ridge.
2	Nar <i>E.—</i> <i>Nehrian</i> <i>Betora</i>	...	11 3	26 6 28 ... 29 ... 35 ...	 Track covered with loose boulders; old made road on British side, right bank Jhelum, quite out of repair and difficult for laden animals.	 Tangi gully Across head Sarsawa valley. Cross ridge Across Jhe- lum valley.	 Nehrian ford Runga ford. Jhelum ferry	5130 5760 5030 3800 4250	Ditto Ditto Ditto 	Village. Ditto and thanna. Village.
3	Palandri <i>E.—</i> <i>Bhatea</i>	...	14 ...	-40 6	Track covered with loose boulders; old made road on British side, right bank Jhelum, quite out of repair and difficult for laden animals.	 Tangi gully Across head Sarsawa valley. Cross ridge Across Jhe- lum valley.	 Nehrian ford Runga ford. Jhelum ferry	4250 .....	.....	Village.
4	Luchmun Patun <i>E. very small—</i> <i>Soha</i>	...	10 2	51 ... 59 ...	 Track covered with loose boulders; old made road on British side, right bank Jhelum, quite out of repair and difficult for laden animals.	 Tangi gully Across head Sarsawa valley. Cross ridge Across Jhe- lum valley.	 Nehrian ford Runga ford. Jhelum ferry	1480 2600	Ditto Ditto Ditto	Ferry post. Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XXVI	<i>ROUTE—contd.</i>	...	59 ...	Steep zigzag ascent to Soha, whence fair track to Kahuta.	Panjar watershed.	.....	2650	S. G. W. scarce, F. plentiful, T. nil.	Hamlet.
5	Panjar <i>E.—Duberna</i>	12 ...	63 ...	.....	Down Ling and Sohan valleys.	.....	2096		
6	Kahuta <i>P. O., B., E.—</i>	8 ...	71 ... 72 ...	Rough cart-road .....	..... .....	Ling ford.	2050	S. G. F. W. T. plentiful.	Large village and bazar.
7	Siala <i>E.—</i>	11 ...	82 ... 84 ... 90 ...	 Joins G. T. road	..... ..... .....	..... Ling ford. Sohan bridge.	.....	S. G. F. W. procurable, T. nil.	Village and station on N.-W. Railway.
8	Rawul Pindi <i>P. O., T. O., D. B., Hotels, C., E.—</i>	12 ...	94 ..	.....	.....	.....	1700	S. G. F. W. T. abundant.	Large cantonment, fort, civil station, city, head-quarters of district and station on N.-W. Railway.

There are other routes from Poonch to Luchmun Bates, the foregoing is said to be the most direct and crosses two hill spurs at Nehrian and Palandri. There is another way in better order and passable in summer from Hazira 15 miles 3 furlongs by Sudhuti tehsil, Haila 24 miles, village where S. G. F. W. and T. procurable, Danna 6,500 feet, to Palandri 37 miles, which is used by camels, &c.

An alternative route might from Halla 24 miles ascend the Tilni nullah to its source at Girhali 28 miles, cross the pass just above this place, descend into the Goon valley by Garar fort to Lajana 34 miles, and follow this river down to its junction with the Jhelum river, one mile above Luchmun Baten, 45 miles from Poonch. This line, as far as the Goon valley, would also be on the most direct route from Poonch to Murree crossing the Jhelum river at the Rampatun ferry beneath Kotli on the British side.

Near Panjar 63 miles, this road passes south of and under the Nerh plateau, a fine site for a military sanitarium.
From Kahuta 71 miles a cart-road runs south direct to Mandra Station on the N.-W. Railway, 1,695 feet and 91 miles from Poonch. It passes by Chinam 78 miles, 2,208 feet, Pindorian 81 miles 4 furlongs, 2,031 feet and Bhata 86 miles 4 furlongs, 1,779 feet above the sea.

XXVII POONCH to ABBOTTABAD by MURREE—

There are several tracks between Poonch and Murree and two routes hence to Abbottabad.

The easiest route at present crosses the Kai gulli to Parli, descends down the Kein nullah to Raoli in the Mal or Bagh valley and follows down this river to its junction with the Jhelum near Dhara ferry, where the road crosses the Jhelum and rises up to Murree.

	Poonch <i>P. O., D. B., E.—</i>	...	...	0	...	Rough hill track, very stony and difficult in places for laden animals. Very steep and stony ascent to pass.	Down Bitarh valley. Up Swan or Kai valley. Kai gulli. Down Kein valley. Down Mal or Bagh valley.	 Kein ford. Mal bridge. Mal ferry.	3300 2830 3200 5530 5225 2920 2880	S. G. F. W. T. ample. S. G. F. moderate, W. plentiful, few coolies. S. G. F. W. T. available	Town, fort, bazar and capital of Poonch State. Post and hamlet. Cluster of villages on extensive plateau, well cul- tivated. Wide valley, well cultivated.
1	<i>Ser</i> Hazira <i>E.—</i>	...	...	9	2	...	...	.....	2830		
2	Parli <i>E.—</i>	...	15	3	15	3	24	.....	3200		
	<i>Raoli</i>	...	12	5	28	36	40	.....	5530		
		...	...	...	...	...	40	.....	5225		
3	Mangh <i>E.—</i>	...	16	...	44	...	58	.....	2920	Ditto	
		...	...	...	...	...	...	.....	2880		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XXVII ROUTE—contd.									
4	Dhulkot <i>E. very small—</i> <i>Dhara</i>	16 ...	60 ...	Steep, rough, stony approaches to ferry on both sides of Jhelum river.	Cross Jhelum valley.	 Jhelum ferry	 1677.	S. G. F. W. scanty, T. nil.	Fort.
5	Dhanda	10 ...	70 ...	Fair road made to Murree.	Along the Kotli spur to Murree.	.....	.....	S. G. F. W. scanty, T. nil.	Small village.
6	Murree <i>P.O., T.O., Hotels, C., E.</i>	13 ...	83 ...	Good hill road along the top of range and down the spur, passable for laden animals throughout.	Along the range of gullies and down the spur to Bagnota.	.....	7000	S. G. F. W. plentiful, T. ample.	Military and Civil Sanitarium, town and bazar.
7	Chungla gulli <i>D. B.—</i>	10 ...	93 ...			.....	8200	S. G. scarce, W. and F. moderate, T. nil.	Military post.
8	Dunga gulli <i>D. B.—</i> <i>Kalabagh</i>	9 ...	102 ...		.....	.....	7600	Ditto	Ditto.
9	Bagnota <i>D. B.—</i>	12 ...	114 ...		Across head of Dor drainage.	.....	7190. 4800	Ditto	Small village.
10	Abbottabad <i>P.O., T.O., D.B., C., E.</i>	10 ...	115 ... 124 ...		..... .....	Kala Nuddee	3663. 4166	S. G. F. W. and T. abundant.	Cantonment, Civil Station, town, bazar and headquarters of district.

Another route goes from Poonch to Kohala 74 miles (see Route XXVIII), and after crossing the Jhelum bridge, either joins the cart-road 27½ miles long to Murree (Sunny bank), or rises straight up the spur by Nuttia gulli to Dunga gulli 15 miles or 89 miles from Poonch. This last march is practicable only for lightly laden coolies.

A third route to Murree, by Parl and Mangh, crosses the Jhelum by the Kwadra ferry, and rises up the Birgraon nullah to Murree. This is not passable for laden mules.

A fourth route to Murree, also by Parl 28 miles and Mangh gala 40 miles, crosses the Jhelum river by the Rampatan ferry 52 miles, and rises up the hill range to Parana 64 miles and Murree 76 miles from Poonch. This is passable for laden mules.

A fifth route might be made from Poonch up the Swan and Palungi valleys, over the Girhali pass to Lajana 34 miles, then follow down the Goon river to its junction with the Jhelum, ascending the latter to Rampatan 48 miles, where cross this river by the ferry boat and rise up the Kotli spur by Kotli to Murree 72 miles from Poonch.

For lower road between Murree and Abbottabad—See Route IXa.

A new water-supply has recently been added at Murree.

XXVIII POONCH to MOZUFFERABAD by KOHALA—

	Poonch <i>P. O., D. B., E.—</i>	...	...	0	...	Rough hill track, very stony and difficult in places for laden animals.	Down Bitarh valley.	Bitarh ford.	3300	S. G. F. W. T. ample	Town, fort, bazar and capital of Poonch State.
	<i>Ser</i>	...	...	9	2	.....	Up Swan or Kai valley. .....	.....	2830	S. G. F. moderate. W. plentiful, few coolies.	Post and hamlet.
1	Hazira <i>E.— Delhan</i>	...	15	3	15	.....	Kai gulli Down Kein valley. .....	.....	3200	S. G. F. W. T available on extensive plateau, well culti- vated.	Cluster of villages
2	Parl <i>E.—</i>	...	12	5	28	Steep ascent to pass.	Across Mal valley.	Kein ford. Mal bridge.	5530 5225		
	<i>Raoli</i>	...	...	40	...	Fine plateau and good road to Prat then rocky steep descent and after crossing Kein river, easy gra- dient to Raoli and Arja.	Tirkot neck	.....	3250		
3	Arja <i>E.—</i>	...	20	...	48	.....	.....	.....	2920		Village.
				59	...	.....	.....	.....	2840	S. G. F. W. moderate, T. available.	
					...	.....	.....	.....	5150		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XXVII	ROUTE—contd.	...	59 ...						
4	Chumiatti	15 ...	63 ..	Fair hill road across head of valley to Chumiatti, then keeps along top of range with steep zigzag stony descent to Kohala.	Along the top of Chamankot range with sharp descent to Jhelum.	.....	4870	S. G. F. W. moderate, T. available.	Village.
5	Kohala <i>P. O., T. O., D. B.—</i>	11 ...	74 ..			.....	1916	S. G. F. W. procurable, T. after notice.	Small bazar and customs post.
6	Dulai <i>D. B.—</i>	12 ..	86 ..	Join Jhelum cart-road to Dumel.	Up Jhelum valley left bank.	Agar bridge	2029	Ditto	Hamlet.
	Dumel <i>P. O., T. O., D. B., E.</i>	9 2	95 2	.....	Up Kishengunga valley.	Jhelum bridge.	2225	S. G. F. W. plentiful, T. available.	Bazar.
7	Mozufferabad <i>C.—</i>	1 6	97 ...	.....	.....	.....	2344	Ditto	Small town and head-quarters of district.

From Dethan 20 miles, a detour can be made northwards over the Neja gulli, crossing the Rankot stream, one of the principal affluents of the Mal river, at Koteri, and coming down the Mal valley by Bagh, a large village and tchisi, to Raoli, in length about 24 miles. From Arja there is another hill track northwards over the Rangla pass, which descends down the Agar valley by Danna and joins the Jhelum cart-road at the Agar bridge, in length about 27 miles, thus shortening the distance to Mozufferabad.

XXIX POONCH to HATIAN or CHAKOTI by BAGH—

	Poonch	...	...	0	...	Rough hill track, very stony and passable for mules.	Up Tat valley	Bitarh ford.	3300	S. G. F. W. T ample.	Town, fort, bazar and capital of Poonch State.
1	Tat	...	10	...	10	.....	.....	.....	.....	S. nil, G. F. moderate, W. plentiful, T. nil.	Fort.
2	Ramikot	...	14	...	24	Steep ascent and descent over pass.	Taoli pass.	Ramkot ford.	.....	S. G. F. moderate, W. plentiful, few coolies.	Small village.
3	Bagh	...	12	...	36	Fair hill road	Down Mal valley right bank. ....	.....	.....	S. G. F. W. plentiful, T. available.	Large village and tensil.

Hence, there are two routes, firstly, over the Tok pass to Hatian ; secondly, over the Kalan pass to Chakoti or Uri.

FIRSTLY—

	Bagh	...	...	36	...	Rough hill track with difficult places and passable for mules.	Up Malwan valley. Tok pass	.....	.....	.....	Pir Panjal range.
3	Bagh	...	...	46	...	.....	Down Hatian nullah. ....	.....	.....	S. and T. nil, G. F. W. moderate.	Small village.
4	Timberkot	...	13	...	49	Join Jhelum cart-road.	.....	.....	3000	S. nil, G. F. moderate, W. plentiful, few coolies.	Ditto.
5	Hatian	...	9	...	58						

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
3	Bagh	...	36 ...	Rough hill track with difficult places and passable for mules.	Up Malwan valley. Kalan pass.	.....	.....	.....	Pir Panjal range.
4	Kilana	...	49 ...	.....	Down Opi nullah.	.....	.....	S. G. F. W. plentiful, coolies available.	Residence of Raja of Kilana.
	Opi	...	55 ...	Join the Jhelum cart-road.					
5	Chakoti	...	59 ...	.....	Jhelum valley	.....	3700	S. G. F. W. moderate, T. available.	Small village.
	or								
5	Uri	...	65 ...	.....	.....	.....	4390	Ditto W. scarce, T. difficult.	Fort, tehsil and village, large plateau, well cultivated.

SECONDLY—

Both the Tok and Kalan passes are on the Pir Panjal range, while further east between the Pir Kantha and Bisari peaks, there are two more passes at the head of the Mal valley above Barikot and Rahkot, which lead down the Islamabad nullah by Sing to Uri. These two paths are used only by shepherds and woodmen in the summer and autumn. The ascent on Poonch side is steep, the descent on the Kashmir side is gradual, and the road from Sing to Uri could be improved. The total distance from Poonch to Uri would be about 45 miles and 40 miles respectively.

XXX POONCH to SRINAGAR by HAJI PIR PASS—

	Poonch <i>P. O., D. B., E—</i>	...	...	0	...	Road very rough and stony in bed of river except- ing 3 miles over Daigwar plateau and last 2 miles into Kahuta.	Up Bitarh valley.	 Bitarh ford.	3300	S. G. F. W. T. ample	Town, fort, bazar and capital of Poonch State.
1	Kahuta <i>B., E—</i>	...	10	...	10	Fair road hence to Aliabad.	Up Gungi valley. .....	.....	4560	S. G. F. W. moderate, T. available.	Village.
2	Aliabad Serai <i>E.—</i>	...	7	...	13 17	Steep ascent to pass very stony and descent very rocky.	 Gungi ford.	.....	6700	S. G. F. after notice, W. plentiful, T. nil.	Hamlet.
3	Haidrabad <i>E. very small—</i>	...	7	...	20 23 24	 Road into Uri execrable, most troublesome to laden animals.	Haji Pir pass Down Namila valley.	 Namila ford.	8500 6000	 Ditto	Pir Panjal range. Hamlet.
4	Uri <i>E. confined—</i>	...	10	...	34 36	Join the Jhelum cart-road, bridged and metalled to Baramulla.	Up Jhelum valley.	 Namila bridge.	4390	S. G. F. procurable, W. scarce, T. difficult.	Village on fine plateau, well culti- vated, fort and tehsil.
5	Rampur <i>E.—</i>	...	13	4	47	.....	.....	.....	4900	S. G. F. W. moderate, a few coolies.	All supplied by Nawab of Bhun- niar.
	Dhunnair	...			49 50	..... .....	..... .....	Harpet-kai bridge.	5000. .....	.....	Old Panchiah temple.
6	Baramulla <i>E.—</i>	...	15	4	63	Cart - road under construction to Srinagar.	.....	.....	5175	S. G. F. W. plentiful, T. after notice.	Town, bazar and tehsil.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
7	Patan ... <i>E. with chunar trees—</i>	16 ...	79 ...	.....	.....	.....	5200	S. F. G. T. available, W. from springs.	Village, 2 fine Mahadeo temples in ruins.
8	Srinagar ... <i>P. O., T. O., C., E.—</i>	19 ...	98 ...	.....	.....	Amiri Kadal over Jhelum.	5235	S. G. F. W. and T. abundant.	Large city, cantonment, bazars, palaces of H. H. Maharaja and capital of Kashmir State.

This was one of the Imperial roads in the Mogul period.

From Poonch there is an alternative track up the Sudroon valley by Nanganari, over the Hardumba pass, which is about the same height as the Haji Pir pass, and down the western branch of the Namila nullah, by Haidrabad to Uri. The distance is about the same as the foregoing route, the length between Nanganari and Haidrabad is at present quite unfit for laden animals.

Both these passes are closed by snow in winter, December to March inclusive, and are liable to avalanches, when the snow melts. From Baramulla, travellers usually take boat up the Jhelum river, starting about mid-day to Sopoor 14 miles, where there is a Rest-house, and supplies are plentiful, and extra boatmen can be obtained for crossing the Woolar Lake, or to Ningul 16 miles at the entrance of the Woolar Lake. The boats leave at 3 A.M. in the morning to cross the Woolar Lake and avoid the high wind which generally sets in sudden squalls any time after 11 A.M. The high waves are then dangerous to these flat-bottomed boats. An ordinary boat will generally reach Shadipur in the evening and stay the night. Leaving early next morning the boat will arrive at Srinagar about mid-day. Total distance by river and lake from Baramulla about 60 miles, by river and canal about 48 miles.

When the river is high, the Noru Canal between Shadipur and Ningul is navigable, and the boats can travel through by this short cut reaching Srinagar in about 24 hours.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						

XXXI^a POONCH to BARAMULLA by GAJAN PASS—

1	Poonch <i>P. O., D. B., E.—</i>	...	0 ... 6 ...	Very stony road in the bed of the Bitarh for half this march.	Up Bitarh valley.	 Bitarh ford.	3300 ...	S. G. F. W. T. ample ...	Town, fort, bazar and capital of Poonch State.
	Kahuta <i>B., E.—</i>	10 ...	10 ... 11 ... 18 ... 20 ...	The track though stony improves, and is passable for laden animals. ....	..... ..... ..... .....	..... Gungi ford Kalamulla ford. Pent ford.	4560 4300 5160	S. G. F. W. moderate, T. available.	Village, 200 feet above Bitarh river. At Koomgulla.
2	Palan <i>E. small—</i>	11 ...	21 ... 25 ...	Hence men only can travel on foot, owing to difficulty of fording the Bitarh bed.	 Up Sakrala valley.	Cross Bitarh numerous fords.	5640	S. and T. nil, G. F. W. plentiful.	Hamlet.
3	Hillun <i>E. in fields—</i>	6 ...	27 ... 35 ... 4	Easy gradient, all the way up to the pass and down the other side, practicable for laden animals.	 Gajan gulli	..... ..... .....	6300 9135	S. moderate, G. F. W. plentiful, T. available.	Village.
4	Gajan <i>E. small—</i>	10 ...	37 ...		Down Harpet-kai valley.	.....	.....	G. F. W. plentiful, S. and T. nil.	Glade in forest.

5	Gaggerhil <i>E. small—</i>	...	8 ...	45 ...	Good road down this valley.	.....	Harpet-kai bridge.	6100	Ditto S. after notice	Hamlet.
	<i>Maidan</i>	..	...	47 ...	.....	.....	Ditto	.....	.....	Residence of Nawab of Bhun- niar.
	<i>Trekan</i>	...	...	50 ...	.....	.....	.....	.....	.....	Old Buddhist Temple.
6	Bhunnair <i>Hospital, E. small—</i>	...	8 ...	53 ...	Joins Jhelum road	Up Jhelum valley.	Ditto	5000	S. & T. after notice, G. F. W. plentiful.	
7	Baramulla <i>P.O., T.O., D.B., E</i>	...	14 ...	67 ...	.....	.....	.....	5175	S. G. F. W. plentiful, T. after notice.	Town, bazar and tehsil.

Above Hillun, there is a splendid plateau called Maira 6,500 feet situated at the fork of the Nilkanta and Sakrala rivers, which united form the Bitarh river.

The Gajan pass is about 3 miles east of the Pajja pass, 10,000 feet, and is the lowest point in this part of the Pir Punjal range. Half-way between them is the Durbut gully, very steep on the Poonch side at the head of the Pent nullah, which falls into the Bitarh river near Palan. The approaches to the Gajan pass on both sides are through lovely and wild scenery.

The encamping ground at Gajan is at the foot of both passes Gajan and Pajja, and there are two roads from it to Gaggerhil. One over the Jabar plain and Tilpatoo spur is fit for beasts of burden, the other descending down the Gajan nullah and Harpet-kai river is fit for men only. A sharp descent brings it to Toong 6,800 feet on the Harpet-kai river, which it follows by Somali 6,630 feet with bridge to Chotali 6,430 feet, a small basin above a rocky gorge. To avoid the latter the path surmounts a spur 7,300 feet and descends to Gaggerhil 6,100 feet.

From Toong 41 miles, a track crosses the Harpet-kai river by a ford and rises straight up the steep spur opposite to a ledge 10,000 feet at the foot of the Sellar peak. It then flanks the western face of this mountain crossing the Marpatra pass 10,580 feet at the northern end 48 miles, and goes eastwards to Lilian Marg 9,400 feet and 53 miles, whence a number of tracks diverge.

I. The approach from Toong just mentioned.

II. To Trekan in the Harpet-kai valley, where the Nawab of Bhunnair resides, 9 miles long.

III. To Bhunnair at the mouth of this valley 12 miles long.

IV. To Naoshera on the Jhelum road 10 miles long.

V. To Sher on the Jhelum road down the Kechama valley by Nambal, 12 miles long.

VI. To Baramulla on the Jhelum road by Murun and Gohan 17 miles long or 70 miles from Poonch.

VII. To Gulmarg 10 miles or 63 miles from Poonch.

VIII. To Hillun back over the Jharni gully at the head of the Harpet-kai valley and down the Jharni nullah, which falls into the Sakrala about Hillun at the 29½ mile from Poonch.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL						
		m.	f.	m.	f.				
XXXII POONCH to GULMARG by NILKANTA PASS—									
	Poonch <i>P. O., D. B., E.—</i>	...	0 ...	Very stony road in bed of Bitarh half this march.	Up Bitarh valley.	 Bitarh ford.	3300	S. G. F. W. and T. ample.	Town, fort, bazar and capital of the Poonch State.
1	Kahuta <i>B., E.—</i>	10 ...	10 ... 11 ...	The track though stony improves, and is passable for laden animals.	..... ....	..... Gungi ford	4560 4300	S. G. F. W. moderate, T. available.	Village 300 feet above river.
2	Palan <i>E. small—</i>	11 ...	21 ...	Hence men only can travel on foot owing to difficulty of crossing Bitarh bed.	.....	Cross Bitarh river several times.	5640	S. and T. nil, G. F. W. plentiful.	Hamlet.
3	Hillun <i>E. in fields—</i>	6 ...	27 ...	Rough and rugged track, rocky and steep to top of pass.	Up Chunwara valley.	.....	6300	S. moderate, G. F. W. plentiful, T. available.	Village.
4	Dangar Allan <i>E. small plain—</i>	5 ...	32 ... 39 ...	 The descent on the Kashmir side is easy with a fair path to Gulmarg, over the Apharwat shoulder of the Pharpat peak.	 Nilkanta pass	Cross Chunwara bed often.	7260 11980	S. and T. nil, G. F. W. plentiful.	Small grassy terrace. Pir Panjal range.
5	Pharpat Marg <i>E.— Killan Marg—</i>	12 ...	44 ... 47 ... 51 ...		 Apharwat spur.	..... ..... .....	..... 12000. 11000.	W. and G. available.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS. AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XXXIII 5	<i>ROUTE—contd.</i> ...	11 ...	46 ...	Joins the Srinagar and Gulmarg road, and crosses low swampy ground.	.....	... ..	.....	S. and T. moderate, G. F. W. available.	Small village.
	Magam ...	12 ...	58 ...		.....	Suknag bridge.	5235	S. G. F. W. abundant, T. ample.	Large city, Hari Parbat fort, cantonment, summer palaces of H. H. Maharaja and Court, Residency, capital of Kashmir State.
	<i>B., E. very small—Narbal</i> ...	... ..	64 ...		.....	Amiri Kadal over Jhelum.			
6	Srinagar ...	16 ...	74 ...						
	<i>P. O., T. O., C., E.</i>								

This route is open during four months of the year July to October inclusive.

At Mandi there is no encamping ground. It is usual to camp either at Koondah, when ascending higher up the Mandi valley or at Rajpur near, when descending the Loran valley.

A detour can be made through another gully south of the Firozepur pass by the Kontar Nag, which lengthens the route to Banabali Nag by 2½ miles. From this latter lake a track branches northwards by Barzatal 38 miles, joins the Nilkanta pass route at 40 miles and passing over the Apharwat shoulder 12,000 feet of the Pharpat peak 14,500 feet goes by Killan Murg 11,000 feet, to Gulmarg 8,500 feet, and 50 miles from Poonch.

Travellers for Gulmarg can go from the pass direct to Barzatal, 15 miles from Gagri upper, avoiding the lake if they intend taking this upper route, or go to Banabali Nag, whence they can follow the Palats river down to its junction with the Bahun river along the foregoing road and 2 miles beyond on the left bank, whence strike up the face of the hill to Gulmarg 50 miles from Poonch.

From Firozepur 46 miles a track branches northwards by Baba Marishi 7,000 feet 50 miles and Kontra 55½ miles, to Baramulla 67 miles, passable for laden animals.

From Kontra another road of easy descent leads down the Ningul valley by Minagam, Wogam and Natpur to Sopoor 5,185 feet and 70 miles from Poonch. Sopoor is the head-quarters of Zillah Kauraj.

XXXIIIa GAGRI to SRINAGAR by ZAMIR PASS—

2	Gagri lower	...	...	21	...	The ascent of this pass on the Poonch side is steep and rugged, fit for men only.	Up Zamir valley.	Mandi bridge	 13470	S. nil, G. F. W. moderate, T. scanty.	Cluster of villages.
3	Shinamani E.—	...	11	32	...	On the Kashmir side the descent is easy, and from Dunwas the track is fair, though it crosses low and swampy ground about Syboog, liable to inundation in the high floods of the Jhelum river.	Across Bahun drainage.	Bahun ford.	.....	S. and T. nil, G. F. W. available.	Marg.
4	Dunwas E.— Badarkot	...	9	41	...		Down Suknag valley.	.....	.....	Ditto	Tower.
5	Aripatan E.—	...	14	55	...		.....	Suknag bridge.	.....	S. F. T. scanty, G. and W. available.	Village.
6	Syboog	...	10	65	...		Across Hokersar swamp.	.....	.....	Ditto	Ditto.
7	Srinagar P. O., T. O., C., E.—	...	8	73	...		.....	Amiran Kadal over Jhelum.	5235	S. G. F. W. abundant, T. ample.	Large city, fort, bazars, and capital of Kashmir State.

At the 26th mile from Poonch a track branches off in a south-east direction over the Tosha Maidan pass 29 miles and descends by the Damam Sar to the Tosha Maidan 40 miles, an extensive Marg, the resort of numerous herds of cattle, ponies, sheep, &c., in the summer and autumn—See next Route XXXIV. Hence a track goes northward down the Bahun valley, through Vehnar to the Dunwas tower 50 miles.

XXXIV POONCH to SRINAGAR by TOSHA MAIDAN PASS—

Poonch P. O., D. B., E.—	...	...	0	...	Good road passable throughout for laden animals.	Up Suran valley.		S. G. F. W. T. ample.	Town, fort, bazar and capital of Poonch State.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m.	TOTAL. m. f.						
XXXIV ROUTE—contd.									
1	Mandi or Rajpur P. O., E.—	13 ...	0 ... 2 4 6 ...	..... ..... .....	..... Up Mandi valley.	Dungli bed.	5000	S. G. F. W. plentiful, T. available.	Large village and tehsil. Summer residence of Raja of Poonch.
2	Biarah	...	20 ...	.....	.....	.....	.....	.....	Fork of Loran and Dali Nar rivers.
2	Sultan Patri E.—	12 ...	25 ...	The ascent over the Phulwaran spur to the top of pass is rather steep, while the descent is gentle over an extensive plateau covered with good pasture, the scenery is beauti- ful.	 Minesgol China marg.	..... ..... .....	12500 12000	S. and T. nil, G. F. W. moderate.	Dak deserted in winter.
3	Tosha Maidan E.—	16 ...	37 ... 41 ...	.....	..... ..... .....	Daman Sar. Gaditir Nag ford.	10000	S. and T. nil, G. F. W. available.	Grazing ground.

<i>Zanigam</i>	...	...	48	...	.....	Across Suknag bridge and Jhelum drainage.	.....	Amiran Kadal over Jhelum.	5235	S. G. F. W. abundant, T. ample.	S. G. W. available, F. and T. moderate.	.....	Large village.
4 Watrehel <i>E.—</i>	...	13	...	54	...	The road crosses low and swampy ground liable to inundation.	.....						
5 Srinagar <i>P. O., T. O., C., E.—</i>	...	14	...	68	...								Large city, fort, bazar and capital of Kashmir State.

This appears to be the most direct route from Poonch to Srinagar. The pass is fairly easy without obstructions, and is usually open from June to the first fall of snow in November.

At the 37th mile, instead of crossing the stream, which flows from the Gaditur Nag, the traveller may branch off due east across the Koot Nag stream, south of the Lalshah Alum peak, cross the Suknag river by a bridge 43 miles and follow down this valley on the left bank by Ringazabal 48 miles and Urzal to Watrehel 70 miles. The scenery down the Suknag valley surpasses that on the other route. Tosha Maidan is an extensive marg on undulating ground at the summit of the Pir Punjal, is frequented in summer and autumn by herds of all kinds of cattle, ponies, mules, sheep and goats for grazing. The scenery on all the approaches is beautiful, and the views from the edges of the marg or from the peaks on it are fine.

XXXIV^a MANDI TO SRINAGAR by NURPUR and SANGSOFED PASSES—

1	Mandi or Rajpur <i>E.—</i> <i>Biarah</i>	...	...	13	...	Good road to Nurpur passable for laden animals.	Up Loran valley. Up Dali Nar valley.	.....	.....	5000	S. G. F. W. plentiful, T. available.	Large village and tehsil.
2	Batulkot <i>E.—</i>	...	10	...	23	...	.....	.....	.....	.....	S. and T. nil, G. F. W. plentiful.	Small village of iron miners.
3	Nurpur	...	8	...	31	...	Ascent to pass steep and difficult in places, descent is also sharp and difficult. Traversed by laden animals.	Nurpur pass	.....	13610	Ditto	Iron working.
4	Doodhi Patri <i>E.—</i>	..	16	...	47	...	Down Yechara valley.	Kala Sar.	.....	.....	Ditto	Hamlet.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL <i>m. f.</i>						
XXXIV^a ROUTE—contd.									
5	Dragam	16 ...	47 ...	Good road hence along the well cultivated plain.	 A cross Jhelum drainage.	 Dudh Gunga bridge.	..... ... ..	S. and T. moderate, G. F. W. available. S. G. F. W. and T. available.	Village. Large village.
	<i>Yechgam</i>	14 ...	61 ...						
6	Srinagar	... ..	65 ...	..... .....	.....	..... Amiran Kadal over Jhelum.	5235	S. G. F. W. abundant, T. ample.	Large city, fort, bazars and capital of Kashmir State.
	<i>P.O., T.O., C., E.—</i>		74 ...							75 ...

At the 29th mile, a path strikes up over the Chorgulli pass, a most difficult and rugged ascent, and descends by the Bagh Sar to the Sukuag valley above Ringazabal.

At the 33rd mile, a track branches off southwards over the Sangsofed pass 36 miles and descends across two spurs into the Sangsofed valley to Frasnag 48 miles, and continues to Nilnag near Gogipatri 58 miles; thence by Surus and Dragoon to Yechgam 73 miles, and to Srinagar 83 miles from Poonch.

After accomplishing the rather steep ascent to this pass, there is a fair road downwards to Gogipatri, and a good road hence to Srinagar. These three passes are open only during four months of the year, July to October inclusive. The Nurpur pass is said to be the easiest of the three for beasts of burden.

XXXV POONCH TO ISLAMABAD or ANANT NAG by PIR PUNJAL PASS—

Poonch <i>P. O., D. B., E.—</i>	...	...	0 ...	Good road, practicable for laden animals through-out.	Up Suran valley right bank.	 Dungli bed. Mandi bridge.	3300	S. G. F. W. T. ample.	Town, fort, bazar and capital of Poonch State.
	...	...	2 ...						
	...	...	6 ...						

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XXXXV ROUTE—contd.									
8	Islamabad or Anant Nag P. O., T. O., C., E.—	...	94 4	.....	Across Veshau and Jhelum drainage.	.....	5450	S. G. F. W. and T. plentiful.	Town, bazar, tehsil and head-quarters of zillah.

This route is usually open from the 1st May to the middle of November. Storms and keen winds are frequent on this high pass. Travellers should avoid crossing in bad weather, and should start about dawn to get over the pass before the wind rises. At Chandimar 28 miles, two tracks branch out, one north-east over the Chhoti gulli pass 14,090 feet (see Route XXXVa), and the other south-east over the Mastan pass 13,780 feet. The latter track rises up the Puran spur to the Mastan pass and descends to the foot of the Pir Punjal pass, being about 3 miles longer than the ordinary road.

From Poshiana 36 miles, a track branches up the Chittapani valley to its head over the Chittapani pass 14,540 feet and 44 miles, and descends down the Kachgul valley by Upper Sangarwini 56 miles, and Pakapura 68 miles, to Chrar 73 miles. This pass is said to be difficult and bad for laden animals. From Dubchi 55 miles, there is a path by Phudar 61 miles, to Pakapura 72 miles, and Chrar 77 miles from Poonch.

XXXVa BARAMGALLA to SRINAGAR by CHHOTI GULLI PASS—

2	Baramgalla B, E.—		26 ...	Road good and passable throughout for laden animals.	Up Suran valley.	 Suran bridge.	5800	S. scarce, F. G. and T. moderate, W. plentiful.	Village on elevated plateau.
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<i>Chundimar</i>	...	...	28	...	...	Ascend Alatopa spur of Pir Punjal range and continue along the top of this ridge.				Iron works and village.
<i>Alahuri</i>	...	...	30	...	...	.....	.....	.....	.....	Halting place.
<i>Baranuri</i>	...	...	34	...	...	.....	.....	.....	.....	Ditto on spur.
3 <i>Hiloh</i> <i>E.—</i>	...	10	4	36	4	Good road of easy gradient up to pass. Gradual descent from pass.	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place at head of valley.
4 <i>Loodur Marg</i> <i>E.—</i>	...	13	4	50	...	.....	.....	.....	Ditto	Pasture ground.
5 <i>Surus</i> <i>E.—</i>	...	13	..	63	...	.....	.....	.....	S. precarious, T. nil, G. F. W. available.	Small village.
6 <i>Kralpoora</i> <i>E.—</i>	...	14	...	77	...	Road emerges from the hills on to the well-cultivated plain of Kashmir.	.....	Dudh Gunga.	S. G. F. W. moderate, T. nil.	Village.
7 <i>Srinagar</i> <i>P. O., T. O., C., E.</i>	...	8	...	84	...	.....	.....	Dudh Gunga.	S. G. F. W. abundant, T. ample.	Large city, fort and capital of Kashmir State.

At foot of the Chhoti gulli pass on the Kashmir side at mile 44 a track turns to the east and follows down the Kachgul valley to Pakapura 64 miles, Chrar 69 miles, Nagam 74 miles, and Srinagar 87 miles from Poonch.

Or joining the track from the Chittapani pass it follows the same Kachgul valley by Upper Sangarwini 56 miles, to Pakapura 68 miles, and so on.

At mile 60, instead of going down the valley to Surus, there is a track eastwards to Gogipatri 62 miles, and to Chrar 68 miles.

The Chhoti gulli pass is of very gradual ascent and descent, and is the easiest of all the roads into Kashmir, though open only from July to October inclusive. All the approaches to it on the Kashmir side have grass, wood and water in abundance, and are quite passable for laden animals. The single road on the Poonch side has access to grass, wood and water in the valley below the Alatopa spur. Food-supplies must be taken through from Poonch or Srinagar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORTE AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
XXXXVI	SRINAGAR to JAMMU—See <i>Routes</i>			XII by Pir Punjal	Pass	11,400 feet 169 miles.			
				XIII " Budil	"	14,120 " 130 "			
				XIV " Golabgruh or Kuri	"	12,530 " 147 "			
				XV " Banihal	"	9,200 " 155 "			4 furlongs.

XXXVII SRINAGAR to SIALKOT by BUDIL PASS—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	...	Good made road along the culti- vated plain to Wahtor, whence fair road onwards to Shupiyan, crossing the boul- der beds of rivers.	Up Dudh Gunga valley right bank.	Amiran Kadal	5235	S. G. F. W. abundant, T. ample.	Capital of Kashmir State, cantonment and fort, large town and bazar. Temple of Moha- raja Golab Singh. Large village.
	Rambagh	...	...	2	...	...	Wahtor, whence fair road onwards to Shupiyan, crossing the boul- der beds of rivers.	.....	.....	.....	.....	
	Kralpura	...	...	6	4	...	.....	.....	.....	.....	.....	
1	Wahtor <i>Khanpur C.—</i>	...	9	9	...	13	.....	Across west- ern drainage of Upper Jhelum valley.	.....	.....	S. G. F. W. procurable, S. nil, G. F. W. T. available.	Ditto. Halting place.
2	Ramu <i>B., E. confined—</i>	...	9	17	...	18	.....	.....	Ranchu ford. .....	.....	S. G. F. and W. procurable, T. available.	Village on Ranchu river, bungalow destroyed by fire, room in old dharmasala.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XXXXVII ROUTE—(contd.)									
9	Chele or Jandi ...	... 8	79 ...	.....	.....	Nar ford	.....	S. G. F. W. procurable, T. nil.	Village.
10	Poni E.—	8 ...	98 ...	Steep and stony descent.	Chele gala	.....	4000	S. G. F. W. plentiful, T. available.	Large village and State garden.
11	Jandrai Kapaion-ki baoli ...	... 8	100 ...	.....	.....	Poni ford.	2000	S. and T. nil, G. and F. plentiful, W. scarce.	Resting place in jungle.
12	Aknoor Kaneki Chuk	... 7	114 ...	Rough road pass-able for laden animals.	Dal gala.	Chenab ferry	1142	S. G. F. W. plentiful, T. available.	Small town, fort and bazar.
13	Gujjanso	... 12	126 ...	Rough cart-road along open cultivated plain to Sialkot.	Jendar gala.	Tawi ferry.	.....	S. G. F. T. scanty, W. plentiful.	Small village.
14	Chaprar	... 10	136 ...	.....	.....	.....	.....	S. G. F. T. after notice, W. plentiful.	Village.

15	Sialkot	...	13	...	149	...				829	S. G. F. W. and T. abundant.	Military canton- ment, civil station, town, fort, bazar and head-quarters of district.
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Between Shupiyan and Budil, two alternative loop routes are available.

Firstly, up the valley of the Veshau river to its source the Konsa Nag 13,000 feet, a large lake of great sanctity and frequented by pilgrims, over the pass of the same name 13,250 feet, down the Chuniper valley and across the Beberi spur range to Budil, the marches being through Sedau 5 miles, crossing the Veshau river near the falls of Haribal 2½ miles, Kungwattan 7 miles, Konsa Nag 10 miles, Pass 3 miles, Nundkot 6½ miles, Beberi ridge 4 miles, and Budil 5 miles. Total 43 miles.

Secondly, up the Rembiara valley to Aliabad Serai, thence crossing a spur ridge and up the Rupri valley to the mountain lakes which form its source; hence are 2 tracks over the Rupri pass 13,630 feet, one down the Lakial and Putsar spur, crossing the Beberi range to Budil, the other down the Panchgaber or Upper Ans valley to Budil; the marches from Shupiyan being up the Pir Punjal road to Hirpura 8 miles, and Aliabad Serai 12 miles; thence to Rupri 10 miles, Rupri pass 5 miles, Boorjar 5 miles, Kundi 10 miles, and Budil 13 miles. Total 63 miles.

All these 3 passes Budil, Konsa Nag and Rupri are usually closed by snow from the first fall in November to the end of May.
From Budil a cross road westwards connects Rajaori and Kotli, the marches being Kundi 13 miles, Piri 6 miles, down Kundul valley and across Tohi river to Rajaori 12 miles, up Charkot valley to Ajeemgurb pass 10 miles, down Ban valley to Koireta 16 miles, and to Kotli 16 miles. Total 73 miles.

From Ponl are cross routes eastwards to Riassi 10 miles, crossing the Chenab river at the Talwara ferry at the 8th mile, and westwards to Thandapani 14 miles, and to Naoshera 20 miles further.

From Aknoor, there is a rough cart-road eastwards, 16 miles to Jammu, half way is Nagbani, where are the stud stables of the Jammu State.

XXXXVIII SRINAGAR to GUJRAT by PIR PUNJAL PASS—OLD IMPERIAL ROUTE—

Srinagar <i>P. O., T. O., C., E.—</i>	...	...	...	...	Good made road along the culti- vated plain to Waltor and fair road onwards to Shupiyan, ford- ing the boulder beds of rivers and with bridges over small nullahs.	Up Dudh Gunga valley right bank.	Amiran Kadal	5235	S. G. F. W. abundant, T. ample.	Capital of Kashmir State, cantonment and fort, large town and bazars. Temple containing ashes of Maharaja Golab Singh. Large village.
Rambagh	...	...	...	2	...	.....	.....	.....	.....	
Kralpura	...	...	...	6	4	.....	.....	...	.....	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XXXVIII ROUTE—(contd.)									
1	Wahtor Khanpur C.—	9 ..	6 4	.....	Across Western drainage of Upper Jhelum valley.	 Ramchu ford.	.....	S. G. F. W. procurable	Large village, halting place.
2	Ramu B., E. confined—	9 ..	18 ..	.....	.....	.....	.....	S. G. F. W. procurable, T. available.	Village on Ramchu river. Bungalow destroyed by fire, room in old dhurmsala. Old Imperial serai.
3	Shupiyan P. O., B., E.—	11 ..	27 4	 From Shupiyan the old made road has got out of order to Baramgalla and is difficult in places, though passable for laden animals. The scenery is very beautiful.	 Up Rembiara valley.	 Mankund ford. Rembiara ford.	.....	S. G. F. W. and T. ample.	Town, bazar and tehsil.
4	Hirpura B., C., E.— Dubchi B.— Suk Serai	8 ..	37 ..	.....	.....	.....	7700	S. procurable, G. F. W. plentiful, few coolies.	Small village on right bank Rembiara.
5	Aliabad Serai B., C.—	12 ..	49 ..	.....	.....	.....	10000	 S. and T. nil, G. F. W. plentiful.	Shakkot on right bank. Halting place.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XXXVIII ROUTE—(contd.)									
	<i>Mitret</i>	...	141 ...	.....	.....	Bhimber river forded 6 times.	1060	S. G. F. W. plentiful, T. available.	Small town, bazar, head-quarters of zillah.
13	Bhimber <i>P. O., B., C., E.—</i>	14 ...	148 ...	.....	.....	.....	980	S. G. F. procurable, W. from wells, few coolies.	Small village.
14	Kotla <i>D. B.—</i>	8 4	156 4	Cart-road hence cut up in places to Kotla: fair, dry weather, road unmetalled, and unbridged to Gujrat over which ekkas and tongas can travel.	Down Bhimber valley.	Bhimber ford.	.....	Ditto	Large village.
15	Daulatnagar <i>P. O., D. B.—</i>	8 ...	164 4 170 ...	.....	.....	Bhimber ford.	.....	S. G. F. W. plentiful, T. ample.	Large city and civil station on N.-W. Railway.
16	Gujrat City <i>P. O., T. O., C., E. on G. T. road—</i>	...	176 ...	.....	.....	.....	.....		
16	Gujrat Railway Station. <i>P. O., T. O., D. B.—</i>	13 4	178 ...	.....	.....	.....	.....		

From Aliabad Serai 49 miles, there are alternative Routes over the two Durhal passes as under, both passable for laden animals.

Aliabad Serai 49 miles up the Indili valley to its source the Nundun Sar 58 miles, over the first Durhal pass 13,080 feet, 59 miles, down by Nilsar to Beloh, 63 miles in the Puran valley, thence crossing the Ratan Pir range at 64 miles, the road drops to Durhal 69 miles, and to Rajaori 83 miles.

The other route from Aliabad Serai crosses the spur ridge between the Indili and Rupri rivers, and ascends to Rupri 59 miles, and Bhagsar 61 miles, over the second Durhal pass 13,460 feet and 62 miles, and drops to Beloh 67 miles, where it joins the first route towards Rajaori.

The Pir Punjal pass is open from May to about the middle of November, the two Durhal passes are open only from July to end of October. The route over the first Durhal pass is said to be the easiest to travel when the rivers are low and fordable.

From Barangalla 68 miles 4 furlongs, a good road goes west down the Suran valley by Suran 80 miles, to Poonch 94 miles. There are 7 bridges over the Suran river, and the passage of traffic depends upon these being maintained in good order.

From Rajauri 93 miles, there is a cross road through the hills to Kotli, it ascends the Charkoh valley to the Ajeemgurb pass 103 miles, and descends down the Ban valley to Koireta 119 miles, and to Kotli 135 miles.

From Bhimber 148 miles, a road goes direct S.-W. under the Pubbi hills to the Kharian Railway Station 168 miles, and is used in the rainy season to avoid any crossing of the Bhimber river.

From Daulatnagar 164 miles 4 furlongs, a road goes westwards crossing the Bhimber river at 174 miles to the Lala Musa. Railway Station 174 miles, and another goes eastwards by Julalpur 175 miles, to Sialkot 199 miles, crossing the Chenab river by the Muhutah ferry at 185 miles.

XXXIX SRINAGAR to POONCH — See Route—XXX

	by Haji Pir	Pass	8,500 feet,	98 miles.
XXXI	" Pajja	"	10,000 "	92 "
XXXIa	" Gajan	"	9,135 "	102 "
XXXIII	" Firozpur	"	12,000 "	74 "
XXXIIIa	" Zamir	"	13,470 "	73 "
XXXIV	" Tosha Maidan	"	12,500 "	68 "
XXXIVa	" Nurpur or Sangsofed	"	13,610 "	75 "
XXXVa	" Chhoti gulli	"	14,090 "	83 "
	" Chhoti gulli	"	"	85 "

In May and June the Haji Pir or Gajan route should be selected; in July to October inclusive, the Firozpur, Tosha Maidan and Nurpur routes are shortest, while the Chhoti gulli is the easiest of all, and the Pir Punjal route is the longest. There is lovely scenery with fine views on every route, the Gajan, Tosha Maidan and Pir Punjal being perhaps superior in this respect. From November to April, all these routes are, as a rule, closed by snow, while in April, when the snow melts, they are all liable to *avalanches* of snow, especially on the Haji Pir, Pajja, Firozpur and Zamir passes.

XL SRINAGAR to RAMPUR by GULMARG—

	Srinagar <i>P. O., T. O., C., E.— Purana Chowri Narbal</i>	...	...	0 ...	Good road to Purana Chowri, thence narrow raised bank through swamps, very muddy and slippery after rain to Magam.	....	Amiran Kadal Duch Gunga bridge. Suknag bridge.	5235	S. G. F. W. T. abundant.	Capital of Kashmir State, large city, &c.
1	Magam <i>B., E. small—</i>	...	16 ...	16 ...	...	....	....	.....	S. G. F. T. procurable in season, W. plentiful.	Small village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XL	ROUTE—(contd.) ...	16 ...	16 ...						
2	Gulmarg <i>P. O., T. O., hotel, E.</i>	14 ...	30 ...	Good road hence to Gulmarg, though stony in places.	.....	.....	8500	S. and T. moderate in season, W. distant, G. F. ample.	Sanitarium and bazar in season.
3	Linian marg <i>E.—</i> <i>Noushera</i> <i>Bhanniar</i>	10	40 ... 49 ... 52 4 53 ...	Fair road through alternate pine forest and marg down to Nowshe- ra, where it joins the Jhelum cart- road.	..... ..... .....	Ningul ford. Kechama ford Harpetkai bridge.	9400 5000 4900	S. and T. nil, G. F. W. ample. S. G. F. W. moderate a few coolies.	Shepherd's huts. Ancient Buddhist temple. All supplied by Nawab of Bhun- nair.
4	Rampur <i>P. O., T. O., D. B., E.</i>	14 ...	54 ...		.....				

There is another track from Srinagar to Gulmarg across the Hokarsar swamps to Syboog 8 miles, Hardu 16 miles, where the Suknag river is crossed by a ford, Khundabama 18 miles, Firozpur 26 miles, Gulmarg 30 miles. At Firozpur several streams of the Bahun river have to be crossed. There is no advantage in this route, and during the rainy season the swamps and Bahun streams are often unfordable.

XL_a SRINAGAR to GULMARG *via* PATAN—

Srinagar <i>P. O., T. O., C., E.—</i>		0 ...	Carriage road under construction to Patan.		Amiran Kadal Dudt Gunga bridge.	5235	S. G. F. W. T. abundant.	Capital of Kashmir State, large city, &c.
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<i>Harprat</i>	...	...	13	...			Suknag bridge.		
<i>Hanji pur</i>	...	...	16	...			Hanji pur bridge.		
1 Patan <i>E.—</i> <i>Chandesar</i>	...	19	19	...	Good mule track over Karewah land and through pine forest to Gulmarg.				S. G. F. T. available, W. from spring.
<i>Baba Marishi</i> <i>B., C., E.—</i>	...	...	34	...	.....	.....	.....	.....	S. G. F. W. procurable, T. nil.
2 Gulmarg <i>P. O., T. O., hotel, E.—</i>	...	17	36	...	...	.....	...	8500	S. T. moderate in season, W. distant, G. F. plentiful.

This though longer is likely to become the favourite land route as soon as the carriage road between Srinagar and Patan to Baramulla is finished. Visitors will drive in their carriage or tongas to Patan in 3 hours and either rest there, when a bungalow is built for the accommodation of travellers, or ride over at once to Gulmarg, doing the whole journey in one day. Eventually a carriage road from Patan to Gulmarg is quite feasible with a ruling gradient of 1 in 20.

XLb SRINAGAR to GULMARG by POLHALLAN—

Srinagar <i>P. O., T. O., C., E.—</i> <i>Shadipur</i>	...	...	0	By boat down the Jhelum river to Shadipur, thence by Noroo canal and western branch to Polhallan. Good mule track over Karewa land and through pine forest to Gulmarg.	.....	.....	.....	5235	S. G. F. W. T. abundant.	Capital of Kashmir State, large city, &c.
1 Polhallan <i>E.—</i> <i>Chandesar</i>	...	25	25	...	.....	.....	...	.....	S. G. F. W. T. procurable.	Large village.
<i>Baba Marishi</i> <i>B., C., E.—</i>	...	...	40	...	.....	.....	...	.....	S. G. F. W. procurable, T. nil.	Mahomedan shrine.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
XLb	<i>ROUTE—contd.</i>	...	40 ...	.....	.....	.....	8500	S. T. moderate in season. W. distant, G. F. plentiful.	Sanitarium and bazar in season.
2	Gulmarg <i>P. O., T. O., hotel, E.—</i>	17 ...	42 ...	.....	.....	.....			

This route is often taken in May and June when there is water enough in the Noru canal, and its western branch through the Burangaru swamp to Polhalla. In July and August the mosquitoes and insects are a terrible pest, and mosquito nets are indispensable. From Polhalla the march to Gulmarg is done in one day, being reckoned as 1½ stages.

XLc SRINAGAR to GULMARG by SOPUR—

	STAGES	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
1	Srinagar <i>P. O., T. O., C., E.—</i> <i>Shadipur</i>	...	0 ...	By boat down Jhelum river and across Woolar Lake to Sopoor.	Down Jhelum river.	.....	5235	S. G. F. W. T. abundant.	Capital of Kashmir State, large city, &c.
	Hajan	27 ...	27 ...	.....	.....	Across Woolar Lake.	.....	.....	Large village of boatmen at mouth of Woolar Lake.
2	Sopur <i>P. O., T. O., B., C., E.</i> <i>Minagam</i>	18 ...	45 ...	Good mule track to Gulmarg.	Up Ningul valley.	.....	5185	S. G. F. W. T. plentiful.	Town, bazar and head-quarters of Kamraj zillah.
		...	57 ...						

3	Kontra <i>E.—</i> <i>Baba Marishi</i> <i>B., C., E.—</i>	...	15 ...	60 ...	.....	Up Nambhar valley and spur.	.....	.....	S. G. F. W. T. procurable.
4	Gulmarg <i>P. O., T. O., hotel E.—</i>	...	7 ...	67 ...	.....	.....	.....	8500	S. T. moderate in season, G. F. plentiful, W. distant.

There is another road to Gulmarg by Baramulla, the whole distance from Srinagar to Baramulla being by water 60 miles round by Woolar Lake, or 50 miles by the Noru canal between Shadipur and Sopur, or by carriage road *via* Patan 35 miles. From Baramulla there is a good road ascending a spur on to the table land and along this watershed to Kontra 11 miles, where it crosses the Ningul river and joins the Sopur road onwards by Baba Marishi to Gulmarg 7 miles. Total 18 miles.

XLI SRINAGAR to JHELM by JHELM VALLEY —

1	Srinagar <i>P. O., T. O., C., E.—</i> <i>Harprat</i>	...	...	0 ...	Carriage road bridged and me- talled under con- struction to Ba- ramulla.	Down Jhelum valley left bank to Kohala.	Amiran Kadal Dudh Gunga bridge. Suknag bridge	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State, military cantonment and fort, large city and bazar, &c.
	Patan <i>E.—</i> <i>Bulgaon</i>	...	19 ...	19 ...	.....	.....	.....	5200	S. G. F. T. available, W. from springs.	Village and ancient ruins, road turns off to Gulmarg.
2	Baramulla <i>P. O., T. O., D. B., C., E.</i> <i>Sher</i>	...	16 ...	35 ...	Carriage road through to Koha- la, bridged and metalled.	...	.....	5175	S. G. F. W plentiful, T. after notice.	Town, bazar and tehsil.
	Bhanniar <i>...</i>	...	...	49 ...	.....	.....	Kechama bridge. Harjetkai bridge.	5000	.....	Ancient Bhuddist temples.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XLI	<i>ROUTE—contd.</i>	...	49 4						
3	Rampur <i>P. O., T. O., D. B., E.—</i>	15 5	50 5	This hill road recently constructed passes through metamorphic rocks between Baramulla and Uri and the Murree rock formation, hence to Kohala.	..... ..... .....	..... Namila bridge	4900 4390	S. G. F. W. moderate, few coolies. S. G. F. procurable, W. scarce, few coolies.	Beautiful camping ground on terrace lined with deodars. Village on fine plateau well cultivated. Fort and tehsil.
4	Uri <i>P. O., T. O., D. B., E. confined—</i>	13 3	64 ...		.....	Islamabad "	.....		
5	Chakoti <i>D. B., E. very small—</i>	13 4	77 4	After heavy rain landslips are liable to occur owing to the friable nature of the shaly rocks.	Down Jhelum valley on left bank.	.....	3700	S. G. F. W. moderate, T. available.	Small village on cultivated plain.
	<i>Chenar stage</i>	..	82 2						
	<i>Neli</i>	..	86 2						
6	Hatian	10 6	88 2	.....	.....	Hatian bridge	3000	S. G. F. T. moderate, W. plentiful.	Police post, old D. B. in ruins.
	<i>Ser neck</i>	...	93 6						
7	Garhi <i>P. O., E., D. B.—</i>	10 4	98 6	.....	.....	.....	2700	S. G. F. W. and T. available.	Open cultivated plain, large village on opposite bank.

8	Dumel <i>P. O., T. O., D. B., E. moderate— Rara</i>	13	4	112	2	The same Murree rock formation continues down the Jhelum valley to Owen ferry where it gradu- ally merges into the Sewalik or tertiary forma- tion.	.....	.....	2225	S. G. F. W. plentiful, T. available.	Bazar, junction of Jhelum and Ki- shengunga rivers.
9	Dulai <i>D. B., E. very small— Chatar</i> <i>Barsala</i>	9	2	121	4		.....	.....	2105	S. G. F. W. procurable, few coolies after notice.	Hamlet.
		...	...	125	...		.....	Agar bridge	2029	.....	Bungalow reserved for H. H. Maha- raja.
		...	...	132	...		.....	.....	2010	.....	
10	Kohala <i>P. O., T. O., D. B., E. very small—</i>	12	...	133	4	From Kohala as- cend cart-road 7 m. 3,108 ft., and descend footpath sharply to Kopa- dar, thence keep along old road made by Captain Hall, Dy. Commr. of Pindi, along right bank down to Soha.	Down Jhelum valley right bank.	Jhelum bridge	1916	Ditto	Small bazar, cus- toms post. Jhelum river.
11	Kopadar ferry	...	...	140	4		.....	.....	1868 3108	.....	
		10	4	144	...		.....	.....	1815	S. from Jhanjhana, G. F. W. plentiful, T. nil.	Used by men carry- ing timber to Murree.
12	Malot or Dhara ferry	10	...	154	...		.....	.....	1677	S. from Malot, G. F. W. plentiful, few coolies.	Crossing of road from Poonch to Murree.
13	Rampatan <i>Makroch</i>	10	...	164	...	This old road much neglected and in bad order, has become very diffi- cult for laden animals.	.....	.....	1568	S. precarious, G. F. W. plentiful, T. nil.	Ditto.
		...	...	167	...		.....	.....	2205	.....	
14	Luchmun Bhatea	7	...	171	...		.....	.....	1480	S. from Baroi, G. F. W. plentiful, T. nil.	Crossing of Poonch and Rawal Pindi road.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XLI	<i>ROUTE—contd.</i>	7	171	...	...	.....	1409	.....	Soha village 2,650ft.
	<i>Soha</i>	...	176	...	...	.....	1360	S. & T. from Bewar,	Crossing of road
15	Owen ferry	11	182	...	...	.....	1320	G. F. plentiful, W. springs.	from Poonch to
	<i>Kanand</i>	...	186	...	...	.....	.....	S. from shop, W. springs.	Mandra Railway Station.
16	<i>Sobheri</i>	...	191	...	...	.....	1210	S. from shop, G. F. plentiful, few coolies.	Crossing of road from Kotli to Mandra Railway Station.
17	Salgraon ferry	14	196	...	...	.....	1080	S. from Palalan, G. F. W. plentiful, few coolies.	Crossing of road from Kotli to
	<i>Danguli or Palalan ferry</i>	13	209	...	...	.....	1010	S. G. F. W. plentiful, T. available.	Gujarkhan Railway Station.
	<i>Hil ferry</i>	...	216	...	...	.....	970	S. G. F. W. plentiful, T. available.	Large village.
18	Bagham ferry	10	219	...	...	.....	870	S. G. F. W. T. procurable.	Junction of Poonch and Jhelum rivers.
19	Tangrot ferry	10	229	...	Down Jhelum valley right bank	.....	...	S. G. F. W. and T. procurable after notice.	Fort on left bank in Kashmir territory.
	<i>Mungla ferry</i>	...	237	...	.....	.....	810	S. G. F. W. and T. procurable after notice.	Small village.
20	Shikarpur	12	241	...	.....	.....			
	<i>B.—</i>								

<i>Kutiala ferry</i>	..	..	..	244 ..	.....	.....	.....	.....	Crossing of road from Mirpur to Jhelum.
<i>Sukchainpur</i>	...	...	...	247 ..	.....	.....	780	.....	Forest depôt on left bank in Kashmir.
Jhelum <i>P.O., T.O., D.B., C., E.</i>	...	13 ..	...	254 ..	.....	.....	740	S. G. F. W. and T. abundant.	Cantonment, civil station, town, head-quarters of district, station on N.-W. Ry.

On this route from Kohala to Jhelum, the heights of river at each crossing are given. The section Kohala to Tangrot is not passable for laden mules or riding ponies, and is used only by occasional fishermen who find grand sport. From Tangrot small and large boats can be floated down the rapids to Jhelum City.

Where vertical cliffs project into the river, the only way is to cross over to left bank, if there is a convenient ferry or to surmount the hill spur above and descend again to right bank.

The halting places are at the ferries, and the ground for camping very small. A traveller should take through transport, unless he can afford to wait at each stage and give notice to the nearest large village for coolies.

From Uri 64 miles, a road branches off southwards over the Haji Pir pass to Poonch 98 miles, see Route XXX, and for its continuation to Kotli 128 miles, and to Jhelum 197 miles, see Route XXIV, which is much shorter and easier than following down the Jhelum valley.

For the Poonch and Murree road crossing at Dhara ferry, see Route XXVII.

For the Poonch and Rawal Pindi road crossing at Luchmun Bhatia, see Route XXVI.

XLII SRINAGAR to RAWUL PINDI by MURREE—

Srinagar <i>P.O., T.O., C., E.—</i>	...	...	...	0 ..	Carriage road under construction bridged and metalled to Bara-mulla.	Down Jhelum valley on left bank.	Amiran Kadal Dudh Gunga bridge.	5235	S. G. F. W. T. abundant.	Large city, fort, summer capital of Kashmir State. Road branches to Gulmarg.
<i>Purana Chowri Harprat</i>	...	...	...	5 ..	...	.....	.....	.....	.....	.....
Patan <i>E.—</i>	...	19 ..	...	19 ..	.....	.....	.....	5200	S. G. F. T. available, W. from springs.	Small village, two ancient Hindu temples in ruins.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XLIII	<i>ROUTE—contd.</i>								
	<i>Polhallan</i>	19	...	.....	.....	.. ..	.....	.....	Road branches to Gulmarg.
	<i>Bulgaon</i>	..	..	.....	.....	Ningul bridge	.....	.....	Road branches to Sopur.
2	Baramulla <i>P. O., T. O., D. B., E.</i>	16	...	Carriage road through to Rawul Pindi used by all wheeled traffic, bridged and metalled.	.....	.....	5175	S. G. F. W. plentiful, T. after notice.	Town, bazar, tehsil, temple ruins at Uskara.
	<i>Sher</i>	...	...	.....	.....	Kechama bridge.	...	.....	Wide plain, cultivated.
	<i>Naoshera</i>	...	4	.....	.. ..	Naoshera bridge.	.....	.....	Road branches to Gulmarg.
		...	...	.....	.....	.....	.....	.....	Ancient Buddhist temple.
	<i>Bhunniar</i>	...	2	.....	.....	Harpetkai bridge.	5000	.....	Saw mill, workshop, residence of Road Engineer.
3	Rampur <i>P. O., T. O., D. B., E.</i>	15	5	From Baramulla to Uri, the road traverses metamorphic rocks, and from Uri to Tret passes through the Mur-	.....	.....	4900	S. G. F. W. T. moderate.	Beautiful camping ground on terrace lined by deodar trees.
		...	...		.....	.....	.....	.....	Ancient temple in ruins.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	m.	f.					
XLII	ROUTE—contd.	...	132	4					
10	Kohala P. O., T. O., D. B., E. very small—	12	133	4	.....	Jhelum bridge	1916	S. G. F. W. procurable, T. after notice.	Small bazar and customs post.
			135	...	Down				
					Jhelum valley right bank.	Kunair bridge	1925		
11	Phagwari Rewat, Road bungalow	12	145	6	Ascent of	.....	.....	S. G. F. W. available, T. nil.	Village with two shops.
	<i>Jhika gully</i>	...	147	...	Murree hill.				
		...	157	...	.....	.....	6800	.....	Bridle road from Murree to Dewal crosses.
	<i>Kuldanha</i>	...	160	...	.....	.....	.....	.....	Road branches to the gullies and Abbottabad.
12	Sunny bank under Murree Lodging house—	15	2	161	Descent of	.....	6600	S. G. F. plentiful, W. from new supply, T. ample.	Murree is a civil and military sanitarium with large bazar.
	<i>Murree Brewery</i>	...	165	...	.....		...		
	<i>Gora Gali</i>	...	166	...	.....		5200		
13	Tret P. O., D. B., E.— Chattar garden	11	2	172	.....		2900	S. G. F. W. procurable, T. nil.	Small bazar.
		...	174	4	.....	Salgram bridge.			
		...	179	2	.....				

14	Barakao <i>D. B., E.—</i>	...	12	...	184	2	.....	.....	Barakao causeway. Pungrel causeway.	1950	Ditto	Two shops and police post.
15	Rawul Pindi <i>F. O., T. O., D. B., hotels, C., E.—</i>	...	13	4	197	6	.....	.....	.....	1700	S. G. F. W. and T. abundant.	Large military cantonment, civil station, large city, head-quarters of district and sta- tion on N.-W. Ry.

At Dumel 112 miles 2 furlongs, a road $1\frac{1}{2}$ mile long after crossing the Jhelum river by at present a temporary wire rope suspension bridge branches to Mozufferabad, a town and head-quarters of zillah at the entrance of the Kishengunga valley.

Another road forks out to Abbottabad, see Route XLIII.

Murree Church is distant 3 miles, from Sunny bank 161 miles, and, as a rule, most travellers prefer halting in Murree, where there are good hotels and a club.

From Murree there are 2 roads westwards to Abbottabad, for the upper, see Route XXVII, and for the lower, see Route IXa.

From Kohala there is an old bridle road up the hill spur to Dewal 11 miles, Jhika gully 18 miles, and Murree 20 miles.

XLII^a HATIAN to KOHALA by OLD ROAD—

6	Hatian	...	...	88	2	Fair track ascend- ing to Chikar.	.....	Hatian bridge. Hatian ford	3000	S. G. F. T. moderate, W. plentiful.	Police post.
7	Chikar	...	10	98 99 102	2 ... ...	..... ..... .....	..... Basoli gully Across Agar valley. .....	..... ..... .....	..... ..... .....	S. G. F. T. W. procurable.	Village. Pir Punjal range.
8	Maira	...	8	106 109	2 4	..... .....	..... .....	..... Agar ford.	..... .....	Ditto	Village.
9	Danna	...	7	113	2	Steep descent to Jhelum river.	.....	.....	.....	S. G. F. W. plentiful.	Large village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
XLIIa	<i>ROUTE—contd.</i>	...	113 2						
10	Kohala	...	120 2	.....	.....	Jhelum bridge	1916	S.G.F.W. procurable, T. after notice.	Small bazar and customs post.

From Garhi 98 miles 6 furlongs another short cut may be made by climbing up the hill at the back of the Dak Bungalow to the Kot village, 3,000 feet, thence descending gradually down the Agar valley to Chatar on the Jhelum road 114 miles, thus saving 12 miles. The path is fair but stony, and fit only for men on foot.

XLIII SRINAGAR to KALAKE SERAI or HASSAN ABDAL by ABBOTTABAD—

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
1	Srinagar <i>P. O., T. O., C., E.—</i> <i>Purana Chowri</i> <i>Harprat</i>	...	0 ...	Carriage road under construction to Baramulla, or go by boat down Jhelum river and through Woohar Lake 60 miles. If Noru canal between Shadipur and Sopur be open, then 50 miles.	Down Jhelum valley on left bank.	Amiran Kadal Dudh Gunga bridge. Suknag bridge.	5235	S. G. F. W. and T. abundant.	Large city, fort, bazar and summer capital of Kashmir state.
	Patan <i>E.—</i>	...	19 ...		.....	... ..	5200	S. G. F. T. available, W. from springs.	Small village, two ancient Hindu temples in ruins.
	<i>Polhallan</i>	...	21 ...		.....	.....	... ..	.....	Road branches to Gulmarg 17 miles.
	<i>Bulgaon</i>	...	27 ...		.....	Ningul bridge	... ..	.....	Road branches to Sopur 4 miles.

2	Baramulla <i>P.O., T.O., D.B., E.—</i>	16	35	....	Cross Jhelum river to right bank.	Jhelum bridge	5175	S. G. F. W. plentiful, T. after notice.	Town, bazar, tehsil.
	<i>Bhimbar</i>	....	45 47	.... ....	.... ....	.... Limber ford.	.... ....	.... ....	Gypsum alabaster quarries 3 miles up side valley.
	<i>Tatamulla</i>	....	49	Fair hill road passable for laden animals but difficult in places.	....	....	4846	....	Jagir of Dewan Luchmun Doss.
3	Gingl <i>E.—</i>	18	53	....	....	Bijhama bridge.	4618	S.G. F.W. procurable, few coolies.	Bijhama 2 miles up side valley, summer residence of Nawab Sultan Mahomed Khan.
	<i>Dawaren</i> <i>Old Imperial serai in ruins</i>	....	56	....	....	....	....	....	Ancient ruins of city and temple.
	<i>Dina</i>	....	59	....	....	....	4283	....	
	Shadera <i>E.—</i>	12	63 65	Rough hill road stony with many ascents and descents and much cut up after heavy rain.	.... ....	.... ....	4798 4294	Ditto	Ditto.
4		....	69	....	Kumar must	....	4682		
5	Kathai <i>E.—</i>	10	76	....	....	Kathai ford	3665	S. G. F. W. and T. available.	Winter residence of Nawab Sultan Mahomed Khan.
	<i>Peliasa</i>	....	79	....	Cowlanda	....	4045		
6	Khunda	8	80 84	.... ....	.... ....	Peliasa ford,	3540	S. scarce, G. F. W. procurable, T. nil.	Small village.
	<i>Dopatta</i>	....	92	....	....	Dopatta ford	....	....	Old fort.
7	Hattian <i>Malsi</i>	10	94 97	Good hill road onwards.	.... ....	.... Dwarsida ford	2665	S. G. F. W. and T. available.	Large village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XLIII	<i>ROUTE—contd.</i>	...	97						
8	Mozufferabad ... P. O., T. O., D. B. at Dumel, C., E.—	13	2 108	Rough track very stony and much cut up, steep approaches to pass on both sides.	 Doob gully	Kishengunga bridge. Nansook or Kunhar bridge	2222 4556	S. G. F. W. plentiful, T. after notice.	Town, fort, bazar, head-quarters of zillah. Old Imperial serai.
9	Garhi Habibulla ... P. O., D. B., C., E. small	10	4 118	Fair hill road passable for ekkas.	 Batrasi gully	Ichur bridge Batti "	2648 4004 3360	S. G. F. W. and T. available.	Large village and bazar.
10	Mansera ... P. O., D. B., E.—	18	... 136	Fair cart-road earthen.	....		3540	S. G. F. W. and T. plentiful.	Large village and tehsil.
11	Abbottabad ... P. O., T. O., D. B., E.—	16	... 152 153 161	Good road bridged and metalled. Tonga dak runs to Hassan Abdal.	Sulhud pass	 Dor ford	4005 2700	S. G. F. W. and T. ample.	Military cantonment, civil station, town, head-quarters of district Hazara.
	<i>Chamba</i> ... B. C., E.—	...	... 163	....	...	...	2610	S. G. F. W. after notice, T. nil.	Halting place.
	Haripur ... P. O., T. O., D. B., C., E.—	23	2 175	....	....	....	1730	S. G. F. W. and T. plentiful.	Town, bazar, tehsil.
	<i>Huttar</i> ... <i>Balar tope</i> ..	... 189 ... 191	... 189 ... 191	.... ....	.... ....	.... Haro ford	 1600	S. G. F. after notice, W. from well, T. nil.	Halting place.

13	Kala-ke Serai ... <i>P. O., T. O., D. B.—</i> or Hassan Abdal ... <i>P. O., T. O., D. B.,</i> <i>1½ mile from railway station.</i>	21	2	197	...	.....	.....	.....	1690	S. G. F. T. after notice, W. from well.	Railway station on N.-W. Railway.
		19	...	194	6	.....	.....	.....	1400	S. G. F. W. and T. available.	Ditto.

From Peliasa 80 miles there is a track up the side valley northwards over the Hattian gully of the Kajna range which descends into the Karna valley to Titwal on the Kishengunga river 20 miles.
 From Malsi 97 miles there is a track up the Dwarasida valley across the Kajna range and descends down the ravine which leads to Noseri Nausada on the Kishengunga river about 16 miles in length.
 From the old Imperial serai at Mozufferabad 109 miles there is an alternative route by the Lohar gulli 3,459 feet 112 miles, to Garhi Habibulla 118½ miles. This track is passable for laden animals.
 From Garhi Habibulla northwards, there is a good road up the Kunhar valley on both banks to Balakot 12½ miles, a populous town and trading mart of the Kaghan valley.

XLIIIa BARAMULLA TO MOZUFFERABAD by TUTMARI GULLI—

2	Baramulla ... <i>P. O., T. O., D. B.,</i> <i>E.—</i> <i>Arhama</i> <i>Yarbagh</i>	...	...	35	...	Fair hill road, fit for riding and passable for laden animals, through to the Kishen- gunga valley.	.....	.....	5175	S. G. F. W. plentiful, T. after notice.	Town, bazar, tehsil.
		...	...	40	4	.....	.....	Vij ford.	5400	.....	Large village.
		...	...	41	...	.....	.....	Hamal "			
		...	...	42	4	.....	.....				
3	Ashpura ... <i>E.—</i> <i>Ashlerhama</i> <i>Lach</i>	14	...	49	...	.....	Up Marwar valley left bank.	.....	.....	S. G. F. W. available, few coolies.	Ditto.
		...	...	50	4	.....	.....	Tirna ford.	5700	...	Ditto.
		...	...	52	...	.....	.....	Marwar "			
		...	...	54	...	.....	.....				
4	Lansor Naugaon ... <i>E.—</i>	9	...	58	...	.....	...	...	.....	S. scarce, G. F. W. moderate, few coolies after notice.	Hamlet.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XLIII^a ROUTE—contd.									
5	Gruzen <i>E.—</i>	9 ..	58 ...	....	Up Jetti ravine.	Hudnar ford	.....	S. and T. nil, G. F. W. procurable.	Dak.
6	Nakot or Chanian <i>E.—</i>	12 ..	70 ...	.....	Tutnari gulli.	.....	.....	S. scarce, G. F. W. available, few coolies.	Small village.
7	Budipura <i>E.—</i>	9 ...	79 ...	.....	Down Karna valley.	.....	.....	Ditto	Ditto.
8	Titwal <i>P. O., E.—</i>	7 ...	88 ...	.....	.....	Karna bridge	3250	S. G. F. W. plentiful, T. available.	Village and tehsil, small fort.
9	Noseri Nausada <i>E.—</i>	6 4	101 4	Hence rough and stony road, difficult for laden animals, with many steep ascents and descents, some rocky and precipitous.	Down Kishengunga valley left bank.	.....	3425	Ditto, T. nil.	Village.
10	Panjgram <i>E.—</i>	9 ...	110 4		.....	.....	2900	S. G. F. W. plentiful, T. available.	Ditto.
11	Nuraseri <i>E.—</i>	7 4	118 ...	A riding pony may be led and taken round bad places by long detours.	.....	.. ...	2750	Ditto, T. nil.	Ditto.

12	Mozufferabad or Dumel P. O., T. O., D. B., C., E—	...	11	...	129	..	Good road		} 2470 2225	S. G. F. W. plentiful, T. after notice.	Town, bazar, head- quarters of zillah.
		...	1	4	130	4	Join Jhelum road	Jhelum bridge			

The traveller might go by boat from Srinagar to Sopur or *viâ* Patan by land 32 miles. Hence march up the Pohru and Marwar valleys to Langyat 46 miles, Jagir of Raja Sir Amar Singh, K.C.S.I., and join the foregoing route at Lach 54 miles.

From Lach 54 miles instead of going up the Marwar valley to Tutmari gully, the traveller might strike northwards through the beautiful undulating country of the Lolab by Nichihama to Shalura.

From Lach 54 miles this route, which is passable for laden animals, skirts the eastern flank of the Danhu or Trehella mountain, descends to Daren, and after crossing the Punjar river comes to Rajpore 60 miles, the Jagir of Raja Akbar Ali Khan. Hence proceeding up the left bank of the Punjar through the fine Chokchi gorge, the route forks into two branches, one westwards and one northwards.

The western track leads to Nichihama village 64 miles, where the burnt and sunken acre, Syum Nar, mentioned by Abu Fazl-i-Allami in the Ain-i-Akbari and described by Dr. Falconer and Mr. Vigne may be seen. The ground was at times so hot that, after scraping the surface, the natives used to cook their rice by placing the pans upon the cleared space.

On examination there are clear indications of the burning of an underground seam of coal from 3 to 5 feet in thickness; the outcrop of the latter is yet visible in the ravines at both extremities of the burnt acre, which has subsided, and in a section of the soil thus exposed above it, where the seam is reduced to a white ash and the adjoining clay shales to a red brick.

Similar burnt soil is found at Rampura, in Budishung 65½ miles with coal shale outcrops in the two ravines on the borders, and again at Suktoj 67 miles in the bed of a ravine, where the coal is said to have been set on fire by the blazing pine trees and long grass of the forest, which occasionally takes fire and burns fiercely. After crossing the Tahut river at Suktoji and ascending the hill spur northwards, the road passes through a pine forest, where the remains of artificial tanks on the ridge may be seen, to Lutchnapura 69 miles, Wysa 71 miles, Lihun 72 miles, and emerges into the open country, where it crosses a sheet of rice cultivation and the Kamil river, on the left bank of which stands Shalura 75 miles.

The northern route from Chokchi gorge goes up a glen along the western flank of the Krombhar mountain to Sarmarg 6,400 feet, a village and pond on a lovely site 65 miles, and descends down another winding glen northwards to Kokrum 68 miles, and thence through the rice plain to Shalura 75 miles. The coal seen in the outcrops at Nichihama, Budishung and Suktoji, is of inferior quality between brown coal or lignite and peat. Other outcrops are reported at Nagi, &c., in the vicinity. The material burns well, however, and the burning ground above has been considered a phenomenon during a long period.

XLIII. MANSERA to OGI—

10	Mansera P. O., D. B., C., E.—	...	...	136	4	Good hill road passable for laden camels.	Across Pukli and Sirun valleys.	.....	3540	S. G. F. W. and T. plentiful.	Large village and tehsil.
10		...	...	143	...			Sirun ford.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XLIII	<i>ROUTE—contd.</i>	...	143	...					
11	Khanki <i>E.—</i>	8	...	144	4	.....	.....	S. G. F. W. procurable, T. nil.	Village.
		...	...	147	...	.....	.....		
12	Oghi <i>P. O., E.—</i>	10	..	154	4	.....	.....	S. G. F. W. and T. procurable.	Village, police and military outpost.

From Oghi there is a road through Shergurh and Nila Pani to Derbund.

XLIIIc ABBOTTABAD TO THANDIANI—

11	Abbottabad <i>P O, T.O., D.B., E.—</i>	...	...	152	4	Fair hill road for riding ponies and passable for laden mules level to Nawashahr and rises beyond.	.....	Jub nala	4005	S. G. F. W. and T. ample.	Head-quarters of district Hazara.
	<i>Nawashahr</i>	...	...	155	...	.....	.....	Darhan "	.....	.....	Large village.
		...	...	157	...	.....	Across head of Dor river.	.....	.....	.....	
		...	...	165	...	.....	.....	Dor nala.	8600	S. and T. moderate in season, G. F. W. plentiful.	Small sanitarium.
12	Thandiani	...	1	169	...	.....	.....	.....			

XLIII^d HARIPUR to DERBUND—

12	Haripur <i>P. O., T. O., D. B., C., E.</i>	...	...	175	6	Rough cart - road passable for ekkas.	Down Dohr valley.	.....	1730	S. G. F. W. and T. plentiful.	Town, bazar, tehsil.
13	Barukot ...	8	2	184	..	.....	.....	Dohr forded twice.	...	S. and T. after notice, G. F. W. procurable.	Village.
14	Torbela <i>P. O., E.—</i>	14	...	...	...	No water, road between Barukot and Nawangiran, rocky and diffi- cult.	Up Indus valley left bank.	.....	.....	S. and T. precarious, G. F. W. available.	Small village.
15	Nawangiran ...	10	...	194	...	.....	.....	.. ..	.....	S and T. after notice, G. F. W. procurable.	Village in Tanawal opposite Umb, where Nawab resides.
	Derbund <i>P. O., E.—</i>	10	...	204	...	.....	.....	.....	.....	.....	.....

The route by Torbela on the left bank of the Indus is longer by 10 miles but preferable for water.

There is another route across the hills and down Sirun valley from Abbottabad by Sherwan, Bhir, Tapla to Torbela.

XLIV SRINAGAR to MOZUFFERABAD by NESCHAU or NATTISHANAR GULLI—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	Carriage road un- der construction to Bulgaon, might be continued to Sopur where there is a good bridge across Jhelum river.	Down Jhelum valley.	Amiran Kadal	5235	S. G. F. W. and T. abundant	Capital of Kashmir State. Large town, bazar and Hari Parbat fort.
	<i>Harpat</i> ...	...	...	13	...	.....	.....	Suk nag "	.....	.....	.....
1	Patan <i>E.—</i>	19	...	19	...	.....	.....	.....	5200	S. G. F. T. available, W. from springs.	Small village and ancient ruins.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XLIV	<i>ROUTE—contd.</i>	..	19 ..	.....	.....	Ningul Kadal.	5185	S. G. F. W. and T. plentiful.	Town, bazar and head-quarters of Zillah Kamraj.
2	<i>Bulgaon</i>	..	27 ..	.....	Up Pohru valley left bank.	.....	.....	.....	Road branches to Lalpura 12 miles.
	Sopur <i>P.O., T.O., B., C., E.—</i>	13 ..	32 ..	.....	.....	.....	.....	S. G. F. W. and T. available.	Village.
	<i>Arwan</i>	..	43 ..	From Sopur the road is good and passable for laden animals through to Titwal on Kishengunga.	.....	.....	.....	.....	.....
3	Chogul <i>E.—</i>	15 ..	47 ..	.....	Right bank	Pohru river.	.....	.....	.....
	<i>Wadpoora</i>	..	51 ..	.....	Up Kamil valley left bank.	Kamil ford or bridge.	5300	Ditto after notice	Do. old fort, shop.
	<i>Warpoora</i>	..	57 ..	.....	.....	Kamil bridge	.....	S. G. F. W. and T. available.	Large village.
4	Shalura <i>E.—</i>	16 ..	63 ..	.....	Up	.....	.....	S. and T. nil, G. F. W. procurable.	Hamlet.
	<i>Panzgram</i>	..	66 ..	Easy and gradual ascent to pass and short steep descent.	Up Pullai ravine. Neschau gully Down Karna valley to Titwal.	.....	10400.	.....	.....
5	Drungari <i>E.—</i>	12 ..	75 ..	.....	.....	.....	.....	.....	.....
	<i>Hajinar</i>	..	80 ..	.....	.....	.....	.....	.....	.....
		..	85 ..	.....	.....	.....	.....	.....	.....

6	Tungta or Karna <i>E.—</i>	14	...	89	...	.....	.....	.....	S. G. F. W. moderate, few coolies.	Small fort.
	<i>Titwal</i> <i>P. O. E.—</i>	...	...	95	...	.....	.....	Karna bridge	Ditto	Tehsil and small fort.
7	Panjhot <i>E.—</i>	12	...	101	..	The road rises up from Kishengunga river to higher region, is more difficult but cooler than lower road.	Down. Kishengunga valley left bank.	.....	S. and T. scanty, G. F. W. available.	Small village.
8	Partan <i>E.—</i>	12	...	113	..		.....	.....	Ditto	Ditto.
9	Dunna <i>E.—</i>	10	...	123	..	Long descent from Dunna to the Kishengunga river.	.....	.....	Ditto	Ditto.
10	Nura Seri <i>E.—</i>	10	...	133	..	Road along left bank of river bad.	.....	.....	S. G. F. W. plentiful, T. nil.	Ditto.
11	Mozufferabad or Dumel <i>P. O. T. O., B., C., E.—</i>	11	...	144	..	.....	.....	.....	S. G. F. W. plentiful, T. after notice.	Town, bazar and head-quarters of zillah.
		1	4	145	4	.....	.....	Jhelum bridge	.....	

This pass is closed by snow from November to February inclusive, when another adjoining pass to the north, Kukwa gulli 9,550 feet from the Karna valley into the Rungwari ravine, which flows into the Kamil river, one mile below Drungiari, is used. The approaches are steeper, but the through distance is the same.

XLIVa SHALURA to KAGHAN VALLEY by KAREN—

4	Shalura <i>E.—</i>	...	...	63	...	This track is easily passable for laden animals to Karen.	Up Wurassoon valley.		5300	S. G. F. W. and T. after notice.	Village, shop, old fort.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XLIV^a	<i>ROUTE—contd.</i>	...	63 ...	.....	.....	.....	.....	S. G. F. W. and T. after notice.	Village.
5	Wurassoon <i>E.—</i>	6 ...	69 ...	Easy approaches to pass on both sides.	Down Doodi valley.	Putran-ke gali.	10175.		
6	Doodi <i>E.—</i> <i>Monaiyan</i>	8 ...	77 ...	.....	.....	.....	7400	S. and T. nil, G. F. W. plentiful.	Halting place.
7	Karen <i>E.—</i> <i>Nagdera</i>	10 ...	87 ...	Hence the road becomes more difficult and is bad in many places.	 Up Babun-ka Katta.	Kishengunga wooden bridge	4650	S. G. F. W. plentiful, T. available.	Village.
8	Karka <i>E.—</i>	10 ...	97 ...	.....	Chirik gali	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place.
9	Kensi <i>E.—</i>	12 ...	109 ...	From the Jagran valley to the Kaghan valley the track is rather better.	Across Jagran valley. Shikara gali Down Shikara valley.	.....	.. ...	S. and T. nil, G. F. W. available.	Small village.
10	Shikara <i>E.—</i>	10 ...	119 ...			.....	.....	Ditto	Halting place.
11	Jared <i>E.—</i>	11 ...	130 ...	... ..	Kaghan valley	.....	.....	S. and T. scarce, G. F. W. available.	Small village.

Between Wurassoon and Doodi, there is a choice of 3 passes over this mountain range, of which Putran-ke gali is the middle one. The other two are Trelidubul and Mulla passes.

From Karen there are other routes to the Kaghan valley by going up or down the Kishengunga valley and striking up one of the side valleys leading westwards, the foregoing is said to be the one at present used by traders in ghi and salt.

From Kensi, in the Jagran valley, there are 3 passes, Bichla, Shikara and Tor gali into the Kaghan valley, and the middle one is here shown.

Jared is a stage on the Kaghan valley road, 5 miles from Bhunja, 25 miles north of Balakot, and 15 miles south of Khagan, all three trading marts.

XLV SRINAGAR to KAGHAN VALLEY by DRAWAR—

	Srinagar <i>P. O., T. O., C., E.— Harpat</i>	...	...	0	...	...	Carriage road under construction to Bulgaon, might be continued to Sopur, where there is a good bridge over the Jhelum river.	Down Jhelum valley.	Amiran Kadal Suknag "	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State. Largest town, bazar and Hari Parbat fort.
1	Patan <i>E.— Bulgaon</i>	...	19	...	19	...	From Sopur the road is good and passable for laden animals through the Kishengunga river in Drawar.	.....	.....	5200	S. G. F. W. and T. available, W. from springs.	Small village and ancient ruins.
2	Sopur <i>P. O., T. O., B., C., E. Arwan</i>	...	13	...	32	...	From Sopur the road is good and passable for laden animals through the Kishengunga river in Drawar.	Up Pohru valley.	Jhelum bridge	5185	S. G. F. W. and T. plentiful.	Town, bazar and head-quarters of Zillah Kamraj.
3	Chogul <i>E.— Wadpoora</i>	...	15	...	47	...	.....	.....	.....	.....	.....	Road branches north to Lalpura 12 miles. Village.
4	Mogulpur <i>E.—</i>	...	11	...	58	...	.....	.....	Pohru river.	.....	S. G. F. W. and T. available.	Ditto.
5	Lodrdona <i>E.—</i>	...	8	...	66	...	Easy gradual ascent and descent.	Seetalwan or Zurkaima gal.	Kamil bridge.	9800	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
XLV	<i>ROUTE—contd.</i>	...	70 ..						
6	Jimagun <i>E.—</i>	9 ...	75 ...	.....	Down Chor-baila valley.	.....	7000	S. and T. nil. G. F. W. plentiful.	Halting place.
7	Dudnial in Dravwar. <i>E.—</i>	9 ...	84 ...	.....	Kishengunga river.	.....	5850	S. G. F. W. plentiful, T. nil.	Village.

Hence there are two routes to the Rutti gali leading into the Kaghan valley, one by Deorian and the other by Kurigam.

FIRSTLY—

8	Deorian <i>E.—</i>	7 ...	91 ...	This track is used by laden mules, though difficult in many places. This pass is said to have steep approaches on both sides.	Up Seri valley	Kishengunga river.	5050	S. G. F. W. plentiful, T. available.	Village.
9	Dari <i>E.—</i>	12 ...	103 ...		.....	.....	.....	S. and T. nil. G. F. W. plentiful.	Halting place.
10	Jora <i>E.—</i>	16 ...	119 ...		Rutti gali. Down	.....	.....	Ditto	Ditto.
11	Burawai <i>E.—</i>	9 ...	128 ...	.....	Dhawartala or Jora Katta	.....	.....	Ditto	Ditto.
					Kaghan valley.	.....	.....		

Burawai is 17 miles 6 furlongs distant and north of Narung the highest village up the Kaghan road.

SECONDLY—

8	Kurigam <i>E.—</i>	...	9	...	93	...	..... .....	..... Kurigam gali.	Kishengunga river.	5850	S. and T. procurable, G. F. W. plentiful.	Village near Shardi.
9	Dari <i>E.—</i>	...	12	...	105 110	...	Steep ascent and descent over pass.	 Rutti gali.	Across head of Seri nala	...	S. and T. nil, G. F. W. plentiful.	Halting place.
10	Jora <i>E.—</i>	...	16	...	121	...	.....	Down Dhawar- tala nulla or Jora Katta.	.....	.....	Ditto	Ditto.
11	Burawai <i>E.—</i>	...	9	...	130	...	.....	Kaghan valley.	.....	9330	Ditto	Ditto.

Burawai has excellent pasture and is much frequented in summer by numerous flocks of sheep and goats and by herds of cattle.

XLVI SRINAGAR to CHILAS by KAMAK DURI PASS—

	Srinagar <i>P. O., T. O., C., E.—</i> <i>Harprat</i>	...	...	...	0	...	Carriage road un- der construction to Bulgaon and might be conti- nued 5 miles fur- ther to Sopur where there is a good bridge over the Jhelum river.	Down Jhelum valley.	Amiran Kadal Suknag "	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State. Large town, bazar, Hari Parbat fort.
1	Patan <i>E.—</i> <i>Bulgaon</i>	...	19	...	19	...	...	.....	...	5200	S. G. F. T. available, W. from springs.	Village and ancient ruins.
2	Sopur <i>P. O., T. O., B., C., E.</i>	...	13	...	27 32	...	.....	.....	Jhelum bridge	5185	S. G. F. W. and T. plentiful.	Town, bazar and head-quarters of Zillah Kamraj.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.	m.	f.				
XLVI	<i>ROUTE—contd.</i>	...	...	...	...	...	...	...	...
3	Arwan <i>E.—</i>	13	32	...	Hence a good road passable for laden animals through to Shardi on the Kishengunga. The Wyana pass is quite easy both ways.	.....	.....	S. and T. after notice, G. F. W. available.	Village.
4	Lalpora <i>P. O., U., E.—</i>	12	44	...	Wyana pass. Down Lolab valley.	.....	5600	S. G. F. W. and T. plentiful.	Capital of Lolab, town, bazar and tehsil.
5	Kroras <i>E.—</i>	10	54	...	Up Seh valley	.....	5700	S. G. F. W. and coolies procurable.	Village.
6	Camp	8	74	...	The Kusdona pass is of gradual ascent and descent.	.....	.....	S. and T. nil, G. F. W. procurable.	Halting place at foot of pass.
7	Mokta malik <i>E.—</i>	10	84	...	The Lachidal pass is very steep in both ascent and descent.	.....	10500.	Ditto	Ditto.
8	Shardi <i>P. O., E.—</i> <i>Surgan</i> <i>E.—</i>	10	94	...	From Shardi the road goes up a wide valley well wooded with a few hamlets.	Up Kankatori valley.	5850	S. and T. procurable, G. F. W. plentiful.	Village and fort.
9	Sangam <i>E.—</i> <i>Ganot</i> <i>E.—</i>	13	107	...	.....	.....	6550.	S. and T. precarious, G. F. W. plentiful.	Small village.
		...	112	...	.....	.....	7600.		

10	Hole Nar. E.—	...	10 ...	117 ...	The road is good to the foot of the pass where the climb up and run down are both very stiff and severe.	 Kamakduri pass. Down Nihat valley.	..... ..... .....	..... 15008.	S. and T. nil, G. F. W. plentiful. Ditto	Halting place at foot of pass. Ditto.
11	Nihat E.—	...	20 ...	137	From Basha there is a good road to Chilas.	Down Kanogha valley. Indus valley	 Kanogha bridge.	 4000	S. and T. after notice, G. F. W. procurable. S. G. F. W. and T. plentiful.	Village. Village and military post.
12	Basha E.—	...	11 ...	148 ... 156 ...	.....					
13	Chilas P. O., T. O., B., E.—	...	11 ...	159 ...						

From Surgaon 102 miles there is a track N. E. up the Nuri Nar valley over the Nuri Nar or Julkhud pass 116 miles down the Julkhud-ka-katta to Seri 130 miles on the Kaghan road.

From Gamot 112 miles there is a track N. E. up the Siralgul nala which leads to a group of 5 passes over the dividing range. The northern pass Katara gali is said to lead down a ravine to Thiak on the Kaghan road to Chilas, the north-eastern pass Siral gali leads to Dudibat Sar or glacier lake and descends down the Purbidia-ka-katta to Kotawai on the Khagan road.

At the 115th mile, a path goes west up the Kalajundi nala across the Kundi pass to Mora, see Route XLVII.

At the 117th mile, a path ascends N. W. up the Hole Nar nala to the Hole Nar pass 14,637 feet and Barai pass, 14,000 feet and descends down the Barai nala to Paloi and Bunar.

All these high passes are closed by snow during 8 months of the year from November to June inclusive, glaciers are numerous in this range which is a S. E. offshoot of Nanga Parbat Peak 26,620 feet.

XLVIa SRINAGAR to LALPURA by NAGMARG—

	Srinagar P. O., T. O., C., E.— Shadipur Sumbhul E.— Ajis	...	...	0 ...	Carriage road for 6 miles and thence along 10-foot road earthen and bridged to Bandipura, quite passable for camels and laden animals.	Down Jhelum valley left bank. Right bank. Along eastern border of Woolar Lake.	Amiran Kadal Noru bridge. Jhelum "	5235	S. G. F. W. and T. abundant. S. G. F. W. procurable, T. after notice.	Capital of Kashmir State. Large town, bazar, Hari Parbat fort. Village and some shops.
1		...	...	11 15 23	4 4 4					

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XLVIa ROUTE—contd.									
2	Bandipura <i>P. O., T. O., E.—</i>	19	34	Road fair	Along northern shore of Woolar Lake.	.....	5200	S. G. F. W. and T. plentiful.	Large village and bazar.
3	Alsu <i>E.—</i>	7	42	.....	.....	.....	5200	S. G. F. W. and T. available.	Village.
4	Nagmarg <i>E.—</i>	6	48	Steep ascent and easier descent.	Dewa or Bur-chhai gully.	.....	8100	S. and T. nil. G. F. W. available.	Sanitarium.
5	Lalpura <i>P. O., C., E.—</i>	8	56	.....	Lolab valley	.....	5600	S. G. F. W. and T. plentiful.	Capital of Lolab Town, bazar and tehsil.

The usual plan is to go by boat from Srinagar down the Jhelum river, and across the Woolar Lake to Alsu about 40 miles, there land and cross over the Nagmarg range into the Lolab. Nagmarg is situated along the ridge to the north of the pass. A few old huts in bad order. One of the summer resorts of Kashmir with lovely scenery and beautiful views on a fine day.

From Alsu is a fair road 12 miles to Sopur by land, passing the Shukr-ud-din Ziarat on the Watlab hill, one of the celebrated shrines of Kashmir at the 4th mile.

XLVII SRINAGAR to ASTOR by LOLAB and SHONTAR PASS—

Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	Carriage road under construction	Down Jhelum valley.	Amiran Kadal	5235	S. G. F. W. and T. abundant.
									Capital of Kashmir State. Large town,

	<i>Harprat</i>	..	..	..	13 ..	to Bulgaon, which might be continued 5 miles further to Sopur bridge over the Jhelum river.	.....	.....	Suknag "		S. G. F. and T. available, W. from springs.	bazar, Hari Parbat fort.
1	Patan <i>E.—</i>	..	19 ..	..	19 ..	Hence a good road passable for laden animals to Kroras.	.....	.....	.....	5200		Village and ancient ruins.
	<i>Bulgaon</i>	..	..	..	27 ..	Easy ascent and descent.	.....	.....	Ningul "			
2	Sopur <i>P.O., T.O., B., C., E.—</i>	..	..	..	32 ..	From Thien above Kroras at the junction of the 2 rivers, an old road turns off north eastwards over the Ura gully, an easy pass on both sides, and thence northwards down to the Kishengunga. This old road is much cut up, but is passable for laden mules. After crossing the wooden bridge over the Kishengunga	.....	Up Pohru valley left bank.	Jhelum bridge	5185	S. G. F. W. and T. plentiful.	Town, bazar and head-quarters of Zillah Kamraj. Village.
3	Arwan	..	12 ..	..	44 ..	.....	.....	.....	.....	.....	S. and T. after notice, G. F. W. available.	
4	Lalpura <i>P. O., C., E.—</i>	..	10 ..	..	54 ..	Down Lolab valley.	.....	Down Lolab valley.	.....	5600	S. G. F. W. and T. plentiful.	Capital of Lolab town, bazar, tehsil.
5	Kroras or Thien <i>E.—</i>	..	12 ..	..	66 ..	Up Seh valley	.....	Up Seh valley	.....	5700	S. G. F. W. and coolies procurable.	Village.
6	Sirkuli	..	..	..	70 ..	.....	.....	.....	.....	6400.		
7	Ura gully	..	8 ..	..	74 ..	Down Machil valley.	.....	Down Machil valley.	.....	9500.		
8	Santwari <i>E.—</i>	..	9 ..	..	83 ..	.....	.....	.....	.....	7000.		
9	Khel <i>E.—</i>	..	13 ..	..	96 ..	Cross Kishengunga valley.	.....	Cross Kishengunga valley.	Kishengunga bridge.	6134	S. scanty, W. G. F. plentiful, T. nil.	Ditto.
10	Dumel Pain <i>E.—</i>	..	8 ..	..	104 ..	Up Khel valley.	.....	Up Khel valley.	... "	7300	S. and T. nil, W. G. F. plentiful.	Junction of Barai river.
	Shontar <i>E.—</i>	..	8 ..	..	112 ..	Shontar pass	.....	Shontar pass	.....	10000	Ditto	Halting place south of pass.
		..	122 ..	..	122 ..		.....		.....	15052		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XLVII	<i>ROUTE—contd.</i>	...	122 ...						
11	Duman <i>E.—</i>	18 ...	130 ...	river, the track continues good to the foot of the Shontar pass, where there is a stiff climb to the top, on the north side the road is of easy gradient over marsh country to Rattu where is the junction of Kamri pass route.	Down Mir Malik valley.	Dabin ford	.....	S. and T. nil, W. G. F. plentiful.	Junction of ravine which leads to Dohban Pir.
12	Mir Malik <i>E.—</i>	8 ...	138 ...		.....	.....	9083	S. procurable, T. nil, G. F. W. plentiful.	Village.
13	Chugam <i>E.—</i>	10 4	148 4 152 ...		Down Guraigah or Astor valley left bank.	 Rupal bridge.	8299	S. and G. scanty, W. and F. procurable, T. nil.	Ditto.
14	Gurikot <i>E. confined—</i>	10 4	159 ...	Join 10-foot road Srinagar to Gilgit earthen and bridged.	.....	Astor bridge	7800	S. and G. scanty, F. W. available, T. nil.	Ditto.
15	Astor (Idgah) <i>P. O., T. O., B.— E. polo ground—</i>	7 ...	166 ...	.....	.....	.....	7838	S. and G. procurable, F. and W. plentiful, T. moderate.	Village, fort, bazar, bungalow will be built, residence of Raja of Astor or Hasora.

From Lalpura 54 miles there is another route by Kranan over the Bhatnar Pir gully down the Machil valley.

From Sirkuli 70 miles there is another track eastwards up the Kunchali river over the Machil pass into the Machil valley.

From Ura gully down the Machil valley are the remains of an old road once constructed by the State and bridged. From Dunel Pain 104 miles a route branches northwards up the Barai nala by Moree 110 miles and Kalar 116 miles over the Barai pass 14,000 feet and 122 miles, and descends down the Barai or Bunar nala by Paloi 140 miles, and Diamirai 148 miles, to the Indus 156 miles, where it joins the Bawanji and Chilas road along left bank of this river. Bunar fort is about 3 miles west of this Bunar nala on a commanding plateau, about half way between Paloi and Diamirai.

The Shontar pass 15,052 feet b. p. according to the map, is said to be the highest of 3 gullies in this vicinity, but there is no path at present to the other two.

About 15 miles S. E. along this range, there is another pass Dohban Pir gully 14,045 feet to which there is access on both sides, by the Phulmai nala on the south from the Kishengunga valley, and by the Duman nala on the north side from the Mir Malik valley. The easiest approach from Srinagar to the Dohban Pir would be by Kanizilwan on the Gilgit road 62½ miles, see Route XLVIII; thence down the Kishengunga valley by Bakhtaor 66 miles, Thaobut 73 miles, Sirdari 80 miles, the last village in this direction, Phulmai nala 87 miles, Dohban Pir gully 100 miles, Daman 112 miles, and Mir Malik 120 miles. This would be shorter than the foregoing route, but the march from Sirdari along the right bank of the Kishengunga river to the Phulmai nala is said to be extremely difficult from the rocky cliffs projecting into the river.

XLVIII SRINAGAR to GILGIT by BURZIL (DORIKUN) PASS—

	Srinagar P. O., T.O., C., E.—	...	...	0	...	Carriage road for 6 miles and thence 10-foot road bridged and passable for all laden animals through to Gilgit.	Down Jhelum valley left bank. Right bank	Amiran Kadal Noru bridge. Jhelum bridge	5235	S. G. F. W. and T. abundant. S.G.F.W. procurable, T. after notice.	Capital of Kashmir State. Large town, bazar, Hari Parbat fort. Village and shop.
1	Shadipur	...	...	11	4	16	Skirts eastern shore of Woolar Lake.	Manus Bal bridge.	.....	.....	Baoli and ruins.
	Sumbhul E.—	...	15	4	4	23	Road nearly level to Bundipura with a few ups and downs over spurs, skirting Manus Bal and Woolar Lakes.	 Erin bridge.	.....	.....	Baoli and ruins.
	Ajys	...	...	32	...	33	.....	.....	.....	.....	Baoli and ruins.
	Nadihal	...	...	33	4	34	.....	.....	5200	S. G. F. W. and T. plentiful.	Large villa e and bazar.
2	Bundipura P.O., T.O., E.—	...	19	...	4	34	.....	.....	5200	S. G. F. W. and T. plentiful.	Large villa e and bazar.

<i>Minimarg</i> T. O.—	...	...	93	...	...	open grass valley with a few clumps of pine trees.	.....	.....	9700			
7 Burzil Choki		11	99	...	...	Easy ascent to pass by zigzag and gradual descent	.....	Burzil bridge	10740	Ditto		Maidan and forest patches.
<i>B., E.—</i>			103	...	...	along open stony valley over an- cient moraines.	Dorikun pass	.....	13900			
<i>Sindarkoti</i> <i>B., E.—</i>	...	...	109	4	...		Down Burzil valley.					
8 Chillum	...	17	116	4	...	.....	.....	.....	.....	Ditto		Ditto.
<i>B., E.—</i>			118	4	...	.....	.....	Chachor bridge.	11500			
<i>Das Kharim</i>	...	...	124	...	...	.....	.....	Das bridge.	10500			
9 Godhai	...	15	131	4	...	.....	.....	Bubind bridge	9100	S. and T. precarious, G. F. W. available.		Small village.
<i>B., E.—</i>												
<i>Gurikot</i>	...	...	142	...	...	Sharp rises and falls over several spurs.	Down Astor valley left bank.	Astor bridge.	7800			
10 Astor (Idgah)	...	17	149	...	...	The road descends gradually to the Astor river at Turpi and Harcho	.....	.....	7838	S. G. F. W. and T. available.		Fort, village and bazar, residence of Raja of Hasora.
<i>P. O., T. O., B., E.—</i>						whence it rises gradually to Dashkin, and after passing through the edible pine forest at Mush-	.....	Harcho bridge	6200			
<i>Harcho</i>	...	...	161	...	...	kin, it rises up the flank of the Hatu Pir to	.....	.....	.....	S. G. F. W. and T. moderate.		Village.
11 Dashkin	...	14	163	4	...							
<i>B., E., C.—</i>												
<i>Mushkin</i>	...	...	167	4	...							
12 Doian	..	10	173	4	...		Hatu Pir spur	.....	7800	Ditto		Ditto.
<i>B., E.—</i>												

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XLVIII	<i>ROUTE—contd. ...</i>								
13	Ramghat or Shaitan Nara.	10 10	173 175	4 ...	Doian, whence it descends by long zigzags down the shaly sides of a spur to the Astor river at Ramghat.	Up Indus valley left bank.	3700	S. G. F. and T nil, W. procurable.	Military post.
14	Bawanji or Bunji <i>P. O., T. O., B., E.—Pratabpul B., C., E.—</i>	7 7	192 199	4 4	Good road over stony plain. Ascent by zigzags over spur and gentle descent into Gilgit valley, after crossing the Safed Pari cliffs, gentle descent to Minawar, and thence road rises gradually through open plain.	Indus valley left bank. Right bank.	4631 3850	S. G. W. and T. moderate, F. scarce. S. G. F. and T. nil, W. from Indus river.	Fort, village and bazar. On left bank Indus.
15	Safed Pari <i>B., E.—</i>	17	209	4		Up Gilgit valley right bank.	.....	Ditto, W. from river.	Cliff.
16	Minawar <i>B., E.—</i>	10	219	4		.....	4000	S. and T. nil, F. W. available, G. scarce.	Small village.
17	Gilgit or Gilit ... <i>P. O., T. O., B., E.—</i>	9	228	4	Ascent to Jutial barracks and through plain to Gilgit.	.....	4390 5025	S. G. F. T. moderate, W. plentiful.	Military Cantonment, town and bazar, residence of Political Agent, head-quarters of province.

The first two marches are usually done by boat from Srinagar down the Jhelum river and along the eastern shore of Woolar Lake to Bandipura.

This road is usually closed by snow between Bandipura and Astor from the 1st November to the 31st May. Footmen can travel through in fine weather during this time. There are block houses on both the passes for shelter and protection from snow-storms. There is much risk in travelling during winter from avalanches, especially in the Zudkusu valley, and in the narrow valley between Burzil Choki and Dorikun bordered by cliffs, where any vibration of the air may shake down the snow.

About a mile west of Sumbul are interesting ruins at Andarkot or Indrakot.

About one mile beyond Sumbul the road crosses the canal from the Manus Bal Lake and follows the high bank of the lake to Safeepoor where there is a hot spring and some ruins.

From Bandipura, there is a direct path for footmen only up the Budhkul nala by Atawat over the Dienoor pass, stiff and rugged on both sides to Gurais above 30 miles in length.

A cross road through the hills connects Lalpura in the Lolab valley with the Zudkusu valley at Gorai. Lalpura 0, Nachiani spur 3 miles, across head of Arpan valley, Kimsaran spur 10 miles, across head of Bunar valley through forest 14 miles, Sata spur 16 miles, down Gorai valley to Gorai 20 miles. Through supplies and transport are needful.

A road has been made on both sides of the Kishengunga river from Kanzilwan to Gurais. In the dry summer the one on left bank is preferable as it passes through much forest and is shaded from the sun. There are bridges over the Kishengunga river at Kanzilwan, Mullakadul, Murkoot, and Gurais.

Gurais is a beautiful valley, one of the sights of Kashmir, a fine open plain about 10 miles in length and 2 miles in width bordered by high mountains topped by cliffs and clothed with fine forest. An azure river, the Kishengunga, stocked with fish, flows down the valley. At the eastern end is a tall pyramidal mountain of limestone, at foot of which is a copious spring said to be the source of the Kishengunga proper. This valley is famous for a hardy race of ponies, who are surefooted and excellent for mountain work.

From Minimarg 93 miles is a track up the Nagai valley eastwards over the Deosir pass and down into the Shingo valley which leads to Kargil. Between Burzil Choki and Astor, several routes branch out eastwards up the side valleys over the Deosai plains to Skardu, the principal of which are entered below.

From Ramghat there is a road along the left bank of the Indus river westwards to Chilas, see Route LXII.

At 199 m. 4f. the iron wire suspension bridge over the Indus river, 327 feet span, is named in honour of His Highness the Maharaja Sir Pratap Singh, G.C.S.I.

XLVIIIa KANZILWAN to ASTOR by GUGAI PASS—

	Kanzilwan <i>E.—</i> <i>Bakthaor</i>	...	...	62	4	Rough hill track	Down Kishengunga valley.	Kishengunga bridge.	7400	S. G. T. moderate, F. and W. plentiful.	Small village.
		...	...	65	...						
5	Thaobut <i>E.—</i>	...	9	4	72	...	Up Gugai valley.	Ditto	.....	S. and T. nil, G. F. W. plentiful.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XLVIII ^a ROUTE—contd....									
6	Gugai	9 4	72 ...	Stiff ascent to pass and steep and rugged descent.	 Gugai pass.	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place.
7	Brazil <i>Riat</i>	10 ...	82 ...	.....	Down Guraigah valley.	.....	.....	Ditto	Ditto.
8	Lohin Hadol <i>E.—</i> <i>Marmai</i>	14 ...	106 ...	Fair track of easy gradient used by traders on return journey into Kashmir.	.....	.....	9600	Ditto	Ditto.
9	Pukarkot <i>E.—</i> <i>Rattu</i>	10 ...	116 ...	.....	.....	.....	... ..	S. and T. scanty, G. F. W. procurable.	Small village.
10	Chugam <i>E. confined—</i>	12 ...	128 ...	.....	.....	.....	8284	S. and G. scanty, T. and F. procurable, W. plentiful.	Village.
11	Gurikot of Astor <i>E.—</i>	10 4	138 4	Join highway from Srinagar to Astor.	Down Astor valley.	Rupal bridge.	7800	Ditto	Ditto.

12	Astor (Idgah) ... <i>P. O., T. O., B., C., E.</i>	7	...	145	4			7838	S. and G. procurable, W. and F. plentiful, T. moderate.	Village, fort, bazar, residence of Raja of Hasora.
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There is little known about this route, though it is in a direct line from Rajdiangan pass northwards to Astor. It is used by shepherds and sportsmen only and is a path for footmen only.

At 132 miles the Rupal river flows into the Guraigah river, and the joint river below is called Astor. The Rupal drains a wide valley of beautiful scenery with some villages, in one Tashing, the cultivated fields adjoin a glacier. Above is an extensive glacier, situated at southern foot of the great Nanga Parbat or Deamir mountain, about 30 miles in length to the head of the valley, where are two passes, Thosho 17,910 feet and Masena 17,000 feet, across which the Chilas tribes from Bunar used to raid into the Astor valley.

XLVIII^b GURAIS to ASTOR by KAMRI or BURJI PASS —

5	Gurais ... <i>P. O., T. O., B., E.— Bangla</i>	...	...	73	4	Fair hill track pas- sable for laden mules and ponies, often used by traders on their return journey to Kashmir, as there is good pasturage and some wood in the Kamri valley. The final ascent to the pass is stony, and the ground on top	Up Burzil valley.	Kishengunga bridge.	7800	S. G. F. W. and T. plentiful.	Fort situated between 2 villages, Daner and Man- koot with bazars. Small village.
6	Gurikot of Gurais ... <i>E.— Thandapani</i>	13	4	87	...	...	.....	.....	9200	S. F. and T. scarce, G. W. plentiful.	Small village.
7	Kalapani ... <i>E.—</i>	...	...	95	...	...	.....	.....	11000 13400	F. and W. procurable.	Halting place.
		12	...	99	...	...	.....	.....	.....	S. and T. nil, G. F. W. plentiful.	Ditto.
8	Lohin Hadol ... <i>Marmai</i>	14	...	113	...	...	.....	.....	9600	Ditto.	Ditto.
9	Shunkargot or Dirli... ... Pukarkot ...	...	...	116	4	very spongy; the descent by a sharp zigzag is steep and muddy for 1,000 feet.	Down Guraigah valley.	Lohin Hadol bridge. Dirli bed. .....	.....	S. and T. scanty, G. F. W. procurable.	Small village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
XLVIII^b ROUTE—contd....									
10	<i>Rattu</i> Chagam <i>E.—</i>	...	123 ...	Mirmalik route joins here. Joins highway from Srinagar to Gilgit.	 Down Astor valley	Mirmalik bridge. Rupal bridge. Astor " Astor "	8284 7800	S. and T. scanty, F. and T. procurable. W. plentiful. Ditto	Village. Ditto.
11	Gurikot of Astor <i>E.—</i>	10 4	145 4		.....	.....	7838	S. and G. procurable, W. and F. plentiful, T. moderate.	Village, fort, bazar and residence of Raja of Hasora.
12	Astor (Idgah) or Hasora. <i>P. O., T. O., B., E.—</i>	7 ...	152 4						

On ascending from Gurikot, a high spur 12,438 feet is passed, then Gatomun at the head of one of the branches of the Jeshat stream, where bad avalanches of snow occur, and a stony rise to the Purji pass 13,400 feet across an old moraine. Kalapani is the name given to the upper part of the Kamri valley, well grassed and some shrubs. Encamp at mouth of east side stream about 4 miles down from the pass.

This route is closed by snow from middle of November to end of May. It used to be called shorter than the Dorikun pass route, but is in reality about 3½ miles longer. Avalanches of snow are frequent on both sides of the pass and down the Kamri valley, forming snow bridges over river.

XLVIII^c GUR AIS TO DRAS by TILAIL VALLEY —

5	Gurais <i>P. O., T. O., B., E.—</i>	... ..	73 4	.....	.....	Kishengunga bridge.	7800	S. G. F. W. and T. plentiful.	Fort between 2 villages, Daner and Mankoot with bazars and thana or tehsil.
	<i>Churwan</i>	... ..	77 4	Ascent very steep and slippery, right bank Lorlo-	.....	Burzil bridge.	11000		
			82 ...	Chakbal ridge	.....	.....			

	6	Lorloken <i>E.—</i>	11	84	4	way nala through Pultun nar valley, descent steep and slip- pery 2,000 feet to Lorloken, which is 100ft. above Kushpat Uri stream and 1,000ft. above Ki- shengnung river. Good road passable for laden animals through to Dras.	Up Kishen- gunga or Tilail valley right bank.	.....	.....	S. and T. nil, G. F. W. procurable.	Small grass plain on edge of birch forest.
		<i>Burnai</i>	...	86	...			Kushpat Uri bridge.			
		<i>Zadgai</i>	...	88	...		.....	Kila' Shay bridge.			
		<i>Purana Tilail</i>	...	90	...		.....	Satani bridge	.....	.....	Large village.
7		Badagam	...	94	4		.....	Nirilgh "	8250	S. G. F. W. and T. plentiful.	Ditto and thana.
8		Bodal	...	96	...		.....	Gratinar "	.....	S. G. F. W. and T. moderate.	Village and thana.
		<i>Gujrind</i>	...	103	4		.....	Bodab "	.....	S. and T. precarious, G. F. W. available.	Hamlet.
9		Abdulhun <i>E.—</i>	...	109	...		.....	Kishengunga bridge or ford.	.....		
			7	111	...	Rocky ascent of easy gradient and gradual descent.	Koombal pass Down	.....	13000.	S. and T. nil, G. F. W. procurable.	Grass plain.
10		Koradgai <i>E.—</i>	16	127	...	The road passes through a wide open valley, bar- ley chief culti- vation, numerous hamlets.	Mushki val- ley left bank.	.....	.....	S. and T. precarious, G. F. W. procurable.	Hamlet.
11		Haobal <i>E.—</i>	12	139	...			.....	.....	S. G. F. W. and T. moderate.	Village.
12		Mushki <i>E.—</i>	9	148	...		.....	.....	.....	Ditto	Series of small vil- lages, fort and thana.
13		Dras <i>P. O., B., C., E.—</i>	7	155	...	Join Srinagar and Leh road.	.....	.....	.....		

This road opens 15th June and closes in November on first fall of snow.

From Badagam there is a track fit for laden ponies up the Gratinar valley, which crosses the Bobal and another pass, and descends to the Nagai river, where it joins the road going from Minimarg eastwards to the Shingo river and to Kargil. Another trackf rom Bodal or Batwhai goes up the Bodal ravine and crossing the pass at its head joins the foregoing route at the second march.

Badagam 94 miles 4 furlongs, Bobal or Boda 104 miles, Haddar Bal Maidan or Harrai 113 miles, Tarzi Bir or Danyih Bir 122 miles, Gultarri on Shingo river 131 miles. No supplies and no transport. G. F. W. procurable throughout. Hence a path crosses the river, when fordable, strikes up the Shingo valley left bank, and crossing an intervening ridge emerges on the Deosai plains and joins the main route from Buzul Choki to Skardu about the 124 miles of Route XLIX. There are no bridges on the Shingo river, and it is unfordable after heavy rain and during the melting of the snow.

For paths connecting the Tilail with the Sindh valley, see Routes *La* and *Lb*.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
9	Godhai <i>B. E.—</i>	...	131	4	Rough hill path for men on foot only. Riding ponies may be led over the worst places with care.	Up Ditchell valley.	9100	S. and T. precarious, G. F. W. available.	Small village.
10	Bubind <i>E.—</i>	11	142	4		.....	.....	S. and T. nil, G. F. W. procurable.	Village.
			151	4		.. ...	.....	.....	Foot of pass.
11	Ringmo Chani <i>Thlashing Spung</i>	15	158	4	Ascent and descent of pass extremely steep and rocky with snow slopes. This route was selected by Raja Sir Ram Singh, K.C.B., on his return from Gilgit in 1891 in preference to the Banok La, his ponies and those of his staff got through. Good road along sandy plain.	Alumpi La.	15200.	Ditto	Halting place.
12	Shikarthang <i>E.—</i>	11	169	...		Down Shikarthang valley.	.....	S. and T. nil, G. scarce, W. F. procurable.	Ditto.
13	Stakchun <i>E.—</i>	6	175	...		.....	.....	Ditto	Hamlet.
14	Kutsura <i>E.—</i>	13	188	..		Up Indus valley left bank.	.....	S. F. and coolies scanty, G. and W. procurable.	Village.

XLVIII GODHAI to SKARDU by ALUMPI LA—

15	Pukora <i>E.—</i>	...	10	...	198	...	.....	.....	.....	Ditto.
16	Skardu <i>P. O., T. O., C, E.—</i>	...	10	...	208	...	.....	.....	7400	S. G. F. W. and T. plentiful.
										Cluster of villages, fort and capital of Baltistan.

From Shikarthang 168 miles a route branches off S. E. up the Dora Loomba over the Dori La to Boogival 191 miles, thence N. E. over the Burji La 15,697 feet descending down the Karpitu nala to Karpitu 205 miles, and Skardu 209 miles.

From Astor 149 miles another track south-eastwards joins this route at Thlashing Spung, the junction of the two streams from either pass, ascending the Parishing valley to Popul 159 miles, camp at foot of Banok La 177 miles, cross the Banok La 15,500 feet, and down a ravine to Thlashing Spung 196 miles, and to Shikarthang 201 miles, whence there is a choice of two routes to Skardu as above, that by Katsura is the easier, passing through more cultivation.

The Banok La is seldom used, as this pass is closed earlier than the Alumpi La, and there are 2 small glaciers to cross. Both the passes are open from 1st July to the first fall of snow, and travellers are liable to suffer from the rarity of the air in crossing.

XLVIII^{le} ASTOR to RONDU by TRONGO PIR—

10	Astor or Hasora <i>P. O., T. O., B., E.—</i>	...	...	149	...	Rough hill path for men on foot only.	Up Parishing valley right bank.	Astor bridge Parishing bridge.	7838	S. G. F. W. and T. available.	Fort, village, bazar and teshil.
11	Popul	...	10	...	159	...	Gradual ascent to top of pass and steep descent.	.....	.....	S. and T. nil, G. F. W. procurable.	Small village.
12	Deorwhey	...	8	...	167	...	Road open for 3 months, July to October inclusive.	Up Deorwhey ravine. Trongo Pir.	15637	Ditto	Halting place.
13	Chutabar	...	13	...	180	...	.....	Down Tukchun valley right bank.	.....	Ditto	Hamlet.
	<i>Harpo</i>	...	...	...	185	...	.....	Tukchun bridge.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLINGS		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA-LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XLVIIIe ROUTE—contd ...									
14	Rondu (Mendi) ...	... ..	185 ..	Steep descent to Indus river.	Indus valley	.....	6650	S. G. F. W. and T. moderate.	Cluster of villages, residence of Raja.

There is an alternative track by Hurpo La 16,785 feet, where a mile of glacier has to be crossed. Astor 149 miles, Popul 159 miles, Camp at foot of pass, 170 miles 4 furlongs, Hurpo La 173 miles, down the Tukehum valley to Papothang 182 miles, Hurpo 192 miles, and Mendi or Kوند 200 miles. This road is not open until much later in July. Unladen ponies are crossed over.

From Dashkin 163 miles 4 furlongs the Indian Atlas sheet shows a path up the Dichil valley from the right bank of the Astor river to a high pass over the dividing range; thence after crossing the head of the Saper nala and a spur, the path descends down the Kurubar nala to Fulchurh on the left bank of the Indus river, a distance probably of 30 miles. Fulchurh is 15 miles west of Rondu, and on the right bank of the Indus river opposite are two tracks leading to Skardu, see Route XLIV.

XLIX SRINAGAR to SKARDU by GURAI and DEOSAI PLAINS—

1	Srinagar P. O., T. O., C. E.— Shadipour	...	...	...	0 ...	Carriage road for 6 miles and thence 10 ft. road passable for all laden animals through to Burzil Chokti.	Down Jhelum valley left bank.	.....	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State. Large town, bazar and Hari Parbat fort. Village and shops.
	Sumbhul E.— Ajius	...	15	4	4	Road from Sumbhul skirts northern shore of Woollar Lake.	Do. right bank.	Jhelum "	.....	S.G.F.W. procurable, T. after notice.	
		...	...	...	23	4	Along Eastern shore of	Erin "			
		...	...	...	33	4	Woollar Lake.				

2	Bundipura <i>P. O., T. O., E.—</i>	19	...	34	4	Bal Lake and the eastern shore of Woollar Lake, nearly level to Bundipura with a few ups and downs over spurs.	.....	5200	S. G. F. W. and T. plentiful. S. and T. nil, W. scarce, G. F. plentiful.	Large village and bazar. Halting place in forest of pine trees.
3	Tragbal <i>B. E. C.—</i>	11	4	46	...	Tragbal spur	.....	9160	.....	.....
	<i>Safed Pattar</i>	...	...	51	...	Rajdiangan pass.	.....	11950	.....	.....
4	Gorai <i>B. E.—</i> <i>Kanzilwan</i>	12	4	58	4	Hence sharp zigzag ascent of 1 in 7 gradient to Tragbal and top of hill, with 2 miles easy gradient on both sides of pass, then sharp zigzag descent for 3 miles and gradient of 1 in 10 falls to Kishengunga, and easy rise up this and Burzil valley.	Down Zudkusu valley. Up Kishengunga valley. Up Burzil valley.	 7400	S. and T. nil, W. plentiful. S. G. F. W. and T. plentiful.	Small maidan.
5	Gurais <i>P. O., T. O., B. E.—</i>	15	...	73	4	.....	Cross Burzil twice by bridges.	.....	S. and T. nil, G. F. W. available.	Town and tehsil or thana, bazars in vicinity. Hamlet.
6	Peshwari <i>B. E.—</i> <i>Minimarg</i> <i>T. O.—</i>	14	4	88	...	.....	Burzil bridge	9700	Ditto	Small village.
7	Burzil Choki <i>B. E.—</i>	11	...	99	...	Stakpita pass	...	10740	.....	Maidan and forest patches.
				102	4	From Burzil Choki the road turns off N. E. to the Deosai or Devil's stony which are devoid of vegetation, the home of marmots and musquitos, early in the season, when the snow	Head Shingo ford.	12900	.....	.....
				104	4	Sarsingar pass	.....	13860	.....	.....
				107	...	.....	2 small lakes.	.....	.....	.....
				107	4	.....	.....	.....	.....	.....
8	Sikhabach <i>E.—</i>	15	...	114	...	.....	.....	13160	S. G. F. T. nil, W. plentiful.	Halting place.
	<i>Chamda kut</i>	...	...	117	...	.....	.....	.....	.....	.....
		...	...	120	4	.....	.....	.....	.....	.....
		...	...	124	...	.....	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
XLIX	<i>ROUTE—contd.</i>	...	...						
9	Lalpani <i>E.—</i> <i>Ali Malik Marhi</i>	13	...	is melting, the rivers are full and deep, and fording is difficult.	.....	Lamalung ford Pialung "	12500 13399	S. F. T. nil, G. poor, W. plentiful.	Halting place.
10	Usar Mar <i>E.—</i>	12	...	Laden mules can be taken by this route, though there are places where the loads must be taken off and carried by men over the difficulty.	.....	.....	13970	Ditto	Ditto.
11	Karpitu <i>E.—</i>	16	...		Burji La	.....	15700	Ditto	Village.
12	Skardu <i>P. O., T. O., C. E.—</i>	3	4	From Burji La is a fair road to the Indus river.	Indus valley	Satpur ford.	7400	S. G. F. W. and T. plentiful.	Cluster of villages. Fort, Waziri Wusarat, Capital of Baltistan.

At 117 miles, a track N. W. to the Jerbarcho or Cherosar Lake 3 miles distant, skirts the Northern shore, crosses the Chuchor La and descends down a ravine, which falls into the Burzil river at the 118 miles 4 furlongs of Route XLVIII. The total distance apart being 17 miles. The Desai plains are in reality a basin of 12,000 to 13,000 ft. elevation surrounded by high mountains with a single outlet to the S. E. the Shigar river, which flows into the Shingo river shortly before the latter falls into the Dras river. This plateau is not safe to cross before July or after September, as the snow lies deep and the high winds cause snow-drifts. There is little or no wood, occasional juniper roots serve as fuel. There is

no vegetation except in the narrow valleys, and that is scanty. Through supplies and transport are indispensable, and can be obtained at Gurais and Skardu. This is the shortest and most direct route from Kashmir to Skardu, and is frequented by travellers, notwithstanding its many drawbacks.

At Ali Malik Marhi 132 miles another track turns off eastwards, and crossing the shoulder of the intervening mountain goes down the parallel Sutpur or Loongma valley to Skardu. There are 3 marches from Lalpani 127 m., junction of 2 streams on the Sutpur Cho 140 miles, on the eastern shore of the Sutpur Tso or Lake 152 miles, and Skardu 163 miles.

XLIX_a SKARDU to MUSTAGH PASS—

12	Skardu	...	...	158	4	Fair road over well cultivated plain, dotted with villages, gardens and orchards of fruit trees, chiefly apricots.	Up Shigar valley left bank.	Indus ferry	7400	S. G. F. W. and T. plentiful.	Cluster of villages, Fort and Capital of Baltistan.
13	Shigar	...	13	4	172	...	.....	.....	7500	Ditto	Town and Fort.
14	Khutti	...	6	...	178	...	.....	.....	...	S. and T. precarious, G. F. W. procurable.	Small village.
15	Kashimul	...	13	...	191	...	.....	.....	.....	Ditto	Ditto.
16	Dusso	...	15	...	206	...	Above the junction of the two rivers, Braldu and Basho, path fit for men on foot only.	Up Braldu valley.	.....	Ditto	Ditto.
	<i>Gund</i>	...	...	...	211	...	.....	.....	.....	Ditto G. scarce	Ditto.
17	Foljo	...	12	...	218	...	.....	.....	.....	Ditto	Ditto.
18	Hoto	...	16	...	234	...	From Foljo, path becomes rough and difficult with many ascents and descents over loose surface of mountain side.	3 hot springs sulphur.	.....	Ditto	Ditto.
19	Askole	...	12	...	246	...	.....	.....	.....	S. G. F. W. and T. moderate.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
20	Korophon	8	254	...	Up Punmah valley right bank.	Biafo glacier	10145	S. and T. nil, G. F. W. procurable.	Halting place.
	<i>Dumordo</i>	...	262	...	.....	.....	....	Ditto	Ditto.
21	Tsok	16	270	...	Path along bed of torrent over boulders.	.....	....	Ditto	Ditto.
22	Punmah	6	276	...	Path along edge of glacier on right bank.	Punmah glacier.	10318	S. G. F. T. nil, W. melted snow.	Ditto.
23	Chongulter	8	284	...	.....	.. ..	....	Ditto	Ditto.
24	Shingchakpi	8	292	...	Cross glacier to left bank.	.....	....	Ditto	Ditto.
25	Skeenmang	6	298	...	.....	.....	....	Ditto	Ditto.
				Rough and tedious way up the glacier, making detours to avoid crevices.	Up Chiring valley.	Mouth of Nobundi Sobundi glacier.	....	S. F. T. nil, G. moderate, W. melted snow.	Grassy level space.
26	Tsokar	6	304	...	.....	.....	....	Ditto	Ditto.
27	Chiring	6	310	...	.....	.....	....	Ditto	Halting place at end of spur.

Hence there used formerly to be two routes leading over the high Mustagh range towards Yarkund, the two passes being about 12 miles apart. Both have been disused for 30 years, partly owing to changes in the glaciers and to fear of robbers on the Northern side of the range. The route recorded by Major Godwin Austen in 1863 is as under :—

<i>Mustagh pass</i>	...	14	...	324	...		Mustagh or Karakoram range of mountains.		18400 19003	Western pass. Eastern pass.
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On the northern side, this route, as explored by Lieutenant F. E. Younghusband in 1887, descended down a glacier and after joining the route from the other Mustagh pass at Parong and another path from the Shimshal pass (due west which leads into Hunza) at Suget jungle, came to the Shaksgam or Oprang valley and thence reached the Yarkund river either at Gil or at Dora by crossing the Aghil Dawan pass 16,500 feet in to Raskum. There is no path yet known onwards down the Yarkund valley, owing it is said to high cliffs which border the river. From Dora, this route goes eastwards up the Yarkund valley to Chiragh Saldi, and thence northwards over the Chiragh Saldi and Tashkurgan passes by Kugiar and Kargalik to Yarkund. Another route from Skardu towards Yarkund formerly existed up the Shayok valley to Khapalu, thence up the Saltoro valley and the Bilafin glacier to a high pass over the Mustagh range. This route has long been abandoned for similar reasons.

The natural difficulties to be met with in crossing the lofty Mustagh chain of mountains are so serious as to render it improbable that traffic between Kashmir and Yarkund will ever take this direction. If Gilgit could become a trade centre like Leh, traffic would be more likely to seek a passage this way, now that the passes above Hunza are open and that a stop has been put to Hunza raids.

From Khutti 178 miles there is a shorter path up the Skoro valley over the Skoro La 16,644 feet to Askole which is open in summer, by Kutzah, 12,553 feet, Nangbrok 190 miles, over pass and glacier 6 miles long to Thlabrok 204 miles, and Askole 208 miles, crossing the Braldu river by a bridge of large span, 270 feet, at Askole.

From Punmiah upwards for 6 marches, the way is either alongside the moraine shed from the glacier, crossing the tributary side glaciers or upon the main glacier, avoiding rock ridges and large crevasses. Though some of these marches may appear short, the way is very devious to avoid obstructions. There is difficulty in finding a proper path, while at that high elevation the rarified air induces quick respiration and any exertion is followed by great fatigue. Many persons suffer greatly.

From Askole upwards in a direct course, the distance over the glaciers would not exceed 50 miles rising 9,000 feet to the top of the Mustagh pass; the average gradient of the glaciers seems therefore fairly easy.

On the north side of the Mustagh pass, the way is down a similar extensive glacier so that for at least 10 marches travellers must carry grass and wood fuel, besides supplies for men and animals.

L SRINAGAR to SKARDU by DRAS—

Srinagar <i>P. O., T. O., C., E.—</i>	...	...	...	0	...	This first stage by land or water along good road or by boat across	Jhelum valley.		5235	S. G. F. W. and T. abundant.	Capital of Kashmir State, large town, bazaars, Hari Parbat Fort.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEAL LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	m.	f.						
L	<i>ROUTE—contd.</i>	...	...	0	...	...	Sindh bridge.	5230	S. G. F. and coolies available, W. plentiful.	Village.
1	Gunderbul <i>E.—</i>	14	2	14	2	22	4	...	...	...
2	Khangan <i>E.—</i> <i>Haiyan</i>	11	3	25	5	30	...	...	Ditto	Ditto.
3	Gund <i>E.—</i> <i>Kutan, E. confined—</i>	13	6	39	3	43	3	...	Ditto	Ditto.
4	Gugangair <i>E.—</i>	8	...	47	3	51	3	...	S. nil, G. and T. moderate, F. and W. plentiful.	Small village.
5	Sonamarg <i>P. O., T. O., E., some old log huts—</i>	7	2	54	5	63	5	...	S. scarce, T. moderate, G. F. W. plentiful.	Sanitarium on grassy downs.
6	Baltal <i>E.—</i>	9	...	69	4	...	...	...	S. and T. nil, G. F. W. procurable.	Huts.

		15	78	5	.....	Down Goom- ber or Dras valley left bank. .....	.....	11000	S. nil, F. T. moderate, G. W. procurable.	Hamlets.
7	Matayan <i>B., E.— Pandras</i>	...	84	4	.....	.....	Mushki bridge. Marpochu bridge.	9825	S. G. F. W. and T. moderate.	Series of small villages, fort and thana.
8	Dras <i>P. O., T. O., B., C., E.</i>	12	91	4	Road of easy gra- dient over stony ground, pass three stone pil- lars.	.....	.....	9390	Ditto	Village and thana.
9	Tashgam <i>B., E., Kharbu E.— Kuksar opposite bank</i>	15	106	4	Narrow passage round rock at bridge, valley nar- row and barren.	Right bank	Dras bridge	.....	.....	Mouth of Shingo Shigar river. Small village.
10	Karkitchu <i>E.—</i>	14	120	4	Road difficult in places.	Left bank	Dras bridge	.....	Ditto	Junction of Suru river. Ditto.
11	Gangani <i>E.—</i>	10	130	4	Ditto along preci- pices in narrow valley.	.....	.....	.....	S. scarce, ditto	Ditto.
12	Olthingthang <i>E.—</i>	12	142	4	Rugged path over scaffolding in places.	.....	Banachan- cho bridge.	.....	Ditto	Junction of Dras and Indus rivers.
13	Tarkuti <i>E.— Shiring</i>	14	156	4	Hard march with long climb half way to Kartak- sho.	Down Indus valley left bank. .....	.....	7800	Ditto	Small village.
		...	160	4	.....	.....	Torgooncho.			
		...	165	...	.....	.....	Gidiaxddcho.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL							
		m.	f.	m.	f.					
L	ROUTE—contd.	...	...	165	...					
14	Kartaksho or Kharmang. E.—	17	...	173	4	Fair road on right bank, while that on left bank crosses over high stony ridge, then fairly level along river. From Tolti steep ascent over high cliffs and easy descent to level ground and cultivation.	Down Indus valley left bank.	Indus rope bridge. Ingotcho.	S. G. F. W. and T. available.	Fort and large village on right bank of Indus river.
15	Tolti E.— Shadock	12	...	185	4	...	Ditto	...	S. G. F. W. and T. moderate.	Village and fort on left bank.
16	Parkuta E.— Sermi	14	...	199	4	...	Kusuracho. Dumsuncho.	...	S. G. F. W. and T. plentiful.	Large village and fort.
17	Gol E.—	12	4	212	...	...	Katicho. Murkocho.	...	S. G. F. T. moderate, W. plentiful.	Village.
18	Kepchung E.— Grapu	17	...	229	...	...	Golcho.	...	Ditto	Ditto.
		...	...	230	...	...	Kepchungcho.	...		

19	Skardu <i>P. O., T. O., C., E.—</i>	4	...	233	...			7400	S. G. F. W. and T. plentiful.	Capital of Baltistan. Cluster of villages, fort, tehsil or thana.
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This road is usually open from June to November inclusive.

Dr. A. Neve states that there is a direct mountain path from the Shalimar bagh on the N. E. corner of Dul Lake at Srinagar in a northerly direction over a ridge above 9,000 feet high and descending through the forest to Haiyan in the Sindh valley about 15 miles in length. From Haiyan the traveller could go to Kulan and the next day to Sonamarg.

From the Sindh river bridge 22 miles 4 furlongs, there is a road down the right bank of the river past Mangam 26 miles, to the Manusbal Lake 36 miles, along an old irrigation canal from the Sindh river and joins the Gilgit road near Suferpur 38 miles at the N. E. corner of the Lake. In returning from the Sindh valley, travellers often take this route down to Manusbal. On the south side of the lake are the limestone quarries which supply the City of Srinagar.

From Parkuta 199 miles 4 furlongs, a track goes westwards up the Katichu valley by Soombda and Dhuppa over the Katichu La 15,053 feet, and goes across the head of the Sutpur Chu to Ali Malik-ke-mur on the Deosai plains, the distance is 40 miles, and is passable for ponies.

From Serini 204 miles 4 furlongs, a path goes westwards up the Murko Loomba, and crossing the Gonnathang Migo pass, it turns northwards down the Kechung nala to Grapi at mile 230 of the main road. The distance by this pass is about the same.

From Gol 212 miles another path goes westwards up this nala over the Thurigo pass, and turns northwards down the Kechung nala to Grapi at mile 230 of main road. The distance by this pass also is about the same.

Lc SINDH VALLEY TO TILAIL VALLEY by GUNGABUL NAG—under HARAMOOK PEAK—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0	...	By good road or by boat to Gunder- bul.	.....	.....	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State.
1	Gunderbul <i>E.— Nunar</i>	...	14	2	14	2	Good road to the Sindh bridge and fair path to Wangut.	Up Sindh valley.	5230	S. G. F. and coolies available, W. plentiful.	Village.
2	Drogdun or Pron <i>E.— Kachnambul</i>	...	10	...	24	2	.....	Up Kank- wai valley right bank.	.....	S. nil, G. F. W. plentiful, few coolies.	Small village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
La	<i>ROUTE—contd.</i>	...	27	2	...	.....	.....	6800	S. and T. nil, G. F. W. procurable.	Small village.
3	Wangut <i>E.—</i> <i>Temple ruins</i>	8	32	4	.....	.....	.....	.....	.....	Rajdainbul and Nagbul temples. Limit of birch forest.
4	Tronkul <i>E.—</i>	8	41	...	From Nagbul, the path rises up the mountain side by a steep zigzag to the birch forest at Tronkul—hence gradual descent over undulating grassy slopes to Gungabul. Easy ascent to pass and gradual descent to Migadol Nag.	.....	.....	10000	Ditto	
5	Gungabul Nag <i>E.—</i>	6	47	4	.....	.....	.....	11800	S. F. T. nil, G. W. available.	Sacred Lake.
6	Migadol Nag <i>E.—</i>	6	53	4	.....	Sat Saran pass. Down Shah and Nai glen.	.....	.....	Ditto	Lake.
7	Gadasir <i>E.—</i>	6	59	4	.....	.....	Gadasir nala	.....	S. and T. nil, G. F. W. procurable.	On river bank.
8	Lahun-i-thul <i>E.—</i>	9	68	4	Rough path onwards across 2 valleys and 2 spurs to Tilail.	Renino ridge.	Lahun-i-thul nala.	.....	Ditto	Ditto.
	<i>Wazri Thal</i>	...	72	4	.....	Cross spur.				
		...	73	4						

9	Badagam <i>E.—</i>	...	6	4	75		Tilail valley	Kishengunga bridge.	8250	S. G. F. W. and T. available.	Large village and thana on right bank Kishen- gunga.
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There are several lakes in the vicinity of Gungabul nag north of Haramook Peak 16,903 feet, and the northern glacier from the latter comes right down to the Gungabul lake.

This is a great place of pilgrimage, and is said to be one of the sources of the Ganges. Passing westwards between Gungabul nag and Loolgool nag and crossing an intervening ridge, Sirbal nag or Kola Sar is reached about 4 miles distant, hence there is a path which crosses another ridge 14,000 feet, and drops steeply and westerly down the Erin nala to Kodoora 7,000 feet and 9 miles, and to Bandipura 5,200 feet, and 13 miles. Total distance from Gungabul to Bandipura 26 miles.

The ascent of the Haramook Peak is usually made from Sirbal nag.

There is another approach to Gungabul nag from the Sindh valley by the Chittengool nala and the Brahinsar pass, crossing the head of the Kankwai valley. The same route is followed to the Sindh bridge 22 miles 4 furlongs, whence road turns off due north to Chittengool 25 miles 4 furlongs, Brahinsar nag 34 miles 4 furlongs, pass 36 miles, Gungabul nag 44 miles.

This road is traversed by laden ponies and mules from June until the first fall of snow in November.

16 SONAMARG to TILAIL VALLEY—Bates No. 73.

5	Sonamarg <i>P. O., T. O., E.—</i> <i>Saribal</i>	...	...	54	5	Good hill path through grassy valley with patches of birch forest.	Up Nichinai valley.	Sindh Mair bridge.	8650	S. scarce, T. moderate, G. F. W. plentiful. 	Sanitarium. Marg.
6	Nichinai <i>E.—</i>	...	7	61	5	.....	Nichinai Saga.	.....	13500	S. and T. nil, G. F. W. procurable.	Halting place.
				63	4	Steep ascent and easy descent over snow.	Across head of Raman Sind.	Vishan Sar.			
7	Krishan Sar <i>E.—</i>	...	8	69	5	.....	.....	Krishan Sar	12000	S. and T. nil, F. scarce, G. W. plentiful.	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
Lb	<i>ROUTE—contd.</i> ..	8 ..	69 5						
			71 ...	Steep zig-zag ascent and steep descent by a fair path down valley.	Cross ridge.	.....	13000		
			73 ...	and easy march down valley.	Down Gadasir valley.				
8	Mushdi Nar ..	8 ...	77 5	From Mushdi Nar path lies up a narrow gorge steep and slippery, crosses ridge and descends down another rocky gorge.	 Renino ridge	.....	10000 13000	S. and T. nil, G. F. W. plentiful.	Halting place.
9	Lohun-i-Thul or Dokolla Bal ..	5 ...	82 5	After crossing Lohun-i-Thul nala steep ascent of mountain and descent along ridge, then drop down spur through forest to Wazri Thul opposite Badagam.	Across Lohun-i-Thul valley.	Lohun-i-Thul nala.	9000	Ditto	Ditto.
	<i>E. small.</i> —								
	<i>Wazri Thul</i> ..	... ..	88 4		Cross spur	.....	11500		
10	Badagam ..	7 3	90 ...		Tilail valley	Kishengunga bridge.	8250	S. G. and T. moderate, W. plentiful.	Large village and thana on right bank Kishengunga.
	<i>P. O., E.—</i>								

Some of these distances given in the route book appear too short.

There is another path from Saribal marg, which after crossing the Nichinai range follows down the Raman valley, when the river is fordable, and leads to the village of Bodal in the Tilail valley, crossing the Kishengunga by the Anaikot bridge, the total distance from Sonamarg being about 50 miles.

Another path from Sonamarg, after crossing the Sind bridge east, goes northwards up the Niligar ravine, crosses a high pass and glacier and descends down the Nilinai nala to the point where it falls into the Koradgai or Mushki river, and joins the road from the Tilail valley to Dras. See Route XLVIIIc, at the eastern foot of the Koombul pass, the whole distance being about 25 miles.

Lc DRAS to GURAI by SHINGO VALLEY—

	Dras <i>P. O., T. O., B., C., E.</i>	...	...	91	4	Rough and rugged path, over high spurs and along river, passable for footmen.	Up Marpo Chu. Marpo La down Moondi valley. Up Shingo valley right bank.	..... ..... .....	..... ..... .....	9825	S. G. F. W. and T. moderate. S. and T. nil, G. F. W. procurable.	Series of small villages, fort and thana. Halting place.
1	Marpo <i>E.—</i>	...	11	103	0	.....	.....	.....	.....	.....		
2	Sumalo <i>E.—</i>	...	18	121	...	Fair path along the valley broken by many ups and downs. .....	.....	.....	.....	.....	Ditto	Hamlet.
3	Gultar <i>E.—</i>	...	5	126	..	.....	.....	.....	.....	.....	S. precarious, G. F. W. available, few coolies.	Small village.
4	Camp	...	10	136	...	.....	.....	.....	.....	.....	S. and T. nil, G. F. W. procurable.	Halting place.
5	Dumel <i>E.—</i>	...	10	146	..	Easy ascent and descent over the intervening ridges .....	.....	.....	.....	.....	Ditto	Ditto.
6	Nagai <i>E.—</i>	...	11	157	...	.....	Cross ridge down Nagai glen.	.....	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
Lc	<i>ROUTE—contd.</i>	...	...	Join Gilgit road 93 miles between Guraïs and Astor.	Down Burzil valley.	Burzil	.....	.....	Hamlet on Gilgit road.
	<i>Minimarg</i>	...	...						
7	Peshwari	...	...	.....	.....	.....	.....	S. G. F. W. and T. moderate.	Hamlet.
	<i>E.—</i>	15	...						
8	Guraïs	...	...	.....	Kishengunga valley.	Kishengunga bridge.	7800	S. G. F. W. and T. plentiful.	Fort and thana situated between villages Dander and Mankoot with small bazars.
	<i>P. O., T. O., B., E.—</i>	14	4 186 4						

This route is seldom used as there are no supplies and no coolies available. It is passable from July to October inclusive.

From Gultar 126 miles, a path westwards leads both to Bodal and Badagam in Tilail valley.

From Dumel 146 miles, a track crosses the Shingo river when fordable and continues up the left bank for 20 miles to the head of the valley, where it joins mile 104 of Route XLIX, Srinagar to Skardu between the Stakpita and Sarsingar passes.

From Nagai 157 miles, another path southwards over the Bobal pass and down the Gratinar ravine to Badagam in the Tilail valley.

From Dras 91 miles 4 furlongs, there is a loop route to Sumalo down left bank Dras valley to Tashgam 106 miles 4 furlongs, and Kuksar at junction of Shingo river 115 miles; thence up Shingo valley right bank to Thatanot 125 miles, Kunar 135 miles, Fransart 144 miles, here it crosses the Shingo river to left bank and continues to Chamalong 151 miles, whence it either re-crosses the same river to Sumalo 157 miles, or continues up the left bank of the Shingo valley for 50 miles to its head at the eastern foot of the Stakpita pass.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL m. f.						
Ld	<i>ROUTE—contd.</i> ...	...	207 4	....	Down Chor Chu.				
9	Das ...	13 ...	216 ... 219 .	Join Gilgit road at mile 119 of Route XLVIII.	Down Burzil valley.	... ..	....	S. and T. nil, G. F. W. available.	Small village.
10	Godhai ... <i>E. Gurikot</i>	10 4	229 4	....	... ..	....	... ..	Ditto	Ditto.
11	Astor ... <i>P. O., T. O., B., E.—</i>	17 4	240 ... 247 ...	....	Down Astor valley.	Astor bridge	7800 7800	S. G. F. W. and T. moderate.	Fort and thana, residence of Raja of Hasora.

From Mutial 149 miles, a path branches off up to the head of the Karpachu valley and crossing the Bari La, 178 miles, descends down the Prinkiting Chu valley to its junction with the Upper Shigar river, and crossing the latter 204 miles, it joins at 205 miles the Srinagar and Skardu route XLIX at the crossing of the Pialungwal, 128 miles 4 furlongs between Kalapani and Ali Malikke Mur on the Deosai plains.

L_e KARKITCHU to PARKUTA by KHORABORIGO LA -

10	Karkitchu ...	...	120 ... 125 ...	Rough and rugged path, very difficult in places for laden animals.	 Up Shigar valley left bank.		S. G. F. W. and T. moderate.	Small village.
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11	Dring	...	10	4	131	...				S. and T. scanty, G. F. W. procurable.	Ditto.
12	Auril	...	9	...	140	...		Up Phultukswai valley.		S. G. F. T. moderate, W. plentiful.	Ditto.
13	Phultuks	...	7	...	147	...	.....	.....	.....	Ditto	Village.
14	Phultuks Tso	...	11	...	158 164	...	.....	.....	Lake	S. and T. nil, G. F. W. procurable.	Halting place.
15	Rongul	...	20	...	178	...	.....	Down Genial valley.	...	Ditto	Hamlet.
16	Shadoek	...	9	...	187	...	Join the Skardu road at mile 194 and continue to Parkuta, mile 199½.	Indus valley left bank.	Dumsumchu	S. and T. scanty, G. F. W. procurable.	Small village.
17	Parkuta	...	5	4	192	4		Indus valley	.....	S. G. F. W. and T. plentiful.	Large village and fort.

This route is more direct and 7 miles shorter than the main road down the Suru and Indus valleys.

From mile 152½ about half-way between Phultuks and the Lake, a path turns eastwards 30 miles long over the Torgoon La, and down the Torgoon Chu by Dado Niril to Shirting at mile 160 of the main road L.

From the same point following the same path over the Torgoon La for the first 10 miles, another track diverges northwards across the heads of the two valleys, Torgoon and Gidiado Loongma, and the intervening spur between and crossing another ridge by the Khumay La, it drops down the Kusura Loongma by Thasing to Tolti at mile 185½ of the main road. The total distance of this transmontane route from Phultuks to Tolti is 40 miles.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

LI SRINAGAR to LEH by DRAS—

1	Srinagar <i>P. O., T. O., C, E.—</i>	...	0	...	The first stage by road or by boat, either across Anchar lake or down Jhelum river to Shadipur and up Sindh river to Gunderbul	Jhelum valley	...	5235	S. G. F. W. and T. abundant.	Capital of Kashmir State, large town, bazars, Hari Parbat fort.
	Gunderbul <i>E.—</i>	14	14	2	Hence a good road up Sindh valley, passable for laden animals.	Up Sindh valley left bank.	Sindh bridge	5230	S. G. F. and coolies available, W. plentiful.	Village
2	Khangan <i>E.—</i>	11	25	3	.....	Right bank	Ditto	6000	Ditto	Ditto.
	<i>Haiyan</i>	...	30	...	.....	.....	Cross Sindh river several times according to present state of bridges.			
	<i>Surphrar</i>	...	35	...	.....	.....				
3	Gund	13	39	3	.....	.....		6700	Ditto	Ditto.
	<i>Kulan E. confined—</i>		43							

4	Gugangair <i>E.—</i>	...	8	...	47	3	Road rough and rocky but passable for horses.	.....	Left bank	.....	Sindh bridge.	7400	S. nil, G. and T. moderate, F. and W. plentiful.	Small village.
5	Sonamarg <i>P. O., T. O., E. some old log huts</i>	...	7	2	54	5	Road good	.....	Right bank	.....	Ditto.	8650	S. scarce, T. moderate, G. F. W. plentiful.	Sanitarium on grassy downs.
6	Baltal <i>E.—</i>	...	9	...	63	5	Steep ascent for about 2,000 feet and very gradual descent on north side.	.....	Zoji La	.....	.....	9000	S. and T. nil, G. F. W. procurable.	Huts.
7	Matayan <i>B., E.—</i> <i>Pandras</i>	...	15	...	78	5	Down Goomber or Dras valley left bank.	.....	Down Goomber or Dras valley left bank.	.....	.....	11300	S. nil, F. T. moderate, G. W. procurable.	Hamlets.
8	Dras <i>P. O., T. O., B., C., E.</i>	...	12	7	91	4	Rough and stony road.	.....	.....	.....	Mushki bridge.	9825	S. G. F. W. and T. moderate.	Series of small villages, fort and thana, 3 stone pillars.
9	Tashgam <i>B., E.—</i> <i>Kharbu E.</i>	...	15	...	106	4	.....	.....	Right bank	.....	Dras bridge	9390	Ditto	Village and thana.
10	Chunagund <i>E.—</i>	...	15	...	121	4	Road rough and broken.	.....	.....	.....	.....	8675	S. and T. nil, G. F. W. procurable.	Police station.
11	Kargil <i>P. O., T. O., B., E.—</i> <i>Pashkin E.</i>	...	6	...	127	4	Road over sandy plateau.	.....	Up Suru valley left bank. Up Wakachu valley left bank.	.....	Junction of Suru and Dras rivers. Suru bridge	8787	S. G. F. W. and T. plentiful.	Capital of Parik, fort and thana.
		...	...	...	133	...	.....	.....	.....	.....	Wakka bridge	.....	...	Large village and fort.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.	m. f.						
11	<i>ROUTE—contd.</i>	...	133	...						
12	Shergol <i>B., E.— Mulbeck</i>	18	146	2	Road good	.....	.....	10290	S. G. F. W. and T. available.	Village and Buddhist monastery. Large monastery and colossal figure cut out of rock.
		...	149	...	.....	.....	.....	13000	.....	
		...	158	...	Easy ascent and descent.	Namika La	.....			
13	Kharbu <i>Hinikoot</i>	19	165	2	.....	Up Sange Cooma valley.	.....	10890	Ditto	Group of villages.
		...	172	4						
		...	176	...	Easy ascent and descent.	Photu La	.....	13300		
14	Lamayuru <i>B., E.— Khalasi</i>	15	180	4	Road crosses torrent several times.	Up Indus valley right bank	.....	11400	S. G. F. W. and T. moderate.	Large Monastery. Fort.
		...	190	4			Indus bridge	10000		
		...	191	4	Good road	.....	.....	.....	Ditto	Village.
15	Nurla <i>B., E.—</i>	18	198	6	Road rough over granite boulders.	.....	Phochu Drokpoo bridge	.....	Ditto	Ditto.
16	Saspul <i>B., E.— Bazgo</i>	14	213	4	Road better, crossing plateau.	.....	Saspul Drokpoo bridge.	.....	S. and T. nil, G. F. W. available.	Small village.
		...	221	...	.....	.....	Bago Drokpoo bridge.	.....	S. G. F. W. and T. procurable.	Large village.

17	Nimu <i>B., E.—</i>	...	11	4	225	...	Road over rough ground and barren plateau.	.....	Shemo Drokpo bridge.	.....	S. G. F. W. and T. moderate.	Small village.
	<i>Phayang B.</i>	...	...	...	236	...	.....	.....	Lmachmo Foo bridge.	10500	S. and T. nil, G. F. W. procurable.	Village and monastery.
	<i>Pitak</i>	...	...	...	239	...	Good road hence over gravelly slope to Leh.	.....	.....	11400	S. G. F. W. and T. abundant.	Large town and fort, capital of Ladak.
18	Leh <i>P. O., B., C., E.—</i>	...	18	2	243	2						

This road is usually open from the middle of June to middle of November, though snow may be met with on top of Zoji La to end of June. It is the chief trade route between Kashmir and Yarkand.

From Kargil, 127 miles 4 furlongs, a path goes eastwards over the Hamothing La to Dumgul on the Indus by Apatithung 136 miles, Hamothing La 140 miles, Leloo 144 miles, Dumgul 151 miles.

For southern route from Kargil 127 miles 4 furlongs by Sankhu 9,970 feet, opposite Kurtse, to Suru 171 miles 4 furlongs, see Route XVI.

From Shergol a track goes westwards over the Naktul La by Yognagil 12 miles to Chaliskot on the Suru river 15 miles. Total 27 miles.

From Mulbeck an alternative track south-eastwards crosses over the Sirwastan La to Kharbu, being about the same distance as by the main road over Namika La.

From Hiniskoot 172 miles, a path goes south-westwards up the Kangi ravine by Kilchu 13 miles, crosses the Kangi La 12 miles, to Ringdom Monastery 15 miles on the Suru or Sankpo river. Total length 40 miles.

From Nurla, 198 miles 6 furlongs, there is an alternative route to Bazgo, which branches off a little beyond the village of Nurla, turns up a ravine northwards to Timisgam 203 miles, rising about 1,500 feet. It then goes eastwards to Hemis Shukpa, where there is a grove of pencil cedars and the ruins of an old tower 210 miles, and continuing along the high plateau broken by occasional ravines, Tarutse 220 miles is reached, and then Bazgo 226 miles. If this upper route be taken, the stages from Nurla would become Hemis, Bazgo, Phayang and Leh.

Li a SINDH VALLEY to LIDAR VALLEY by JAJIMARG and DACHINPARA—

	Kulan <i>E. confined—</i>	...	...	43	3	Road from Kulan to Lidarwat not safe for laden ponies, very slippery and dangerous in wet weather.	.....	Sindh bridge	.....	S. G. F. W. and T. moderate.	Small village.
	<i>Zaicind B.</i>	...	...	47	...			Lake.			
	<i>Yensa Nag E.</i>	...	...	51	4	Basmai range Plateau called Jajimarg.	.....	.....	14000		
1	Sekiwas in Jajimarg. <i>E.—</i>	...	14	4	57			.....	.....	S. and T. nil, G. W. plentiful, F. dwarf Juniper.	Halting place.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.							
1	ROUTE—contd.	14	57	7						
2	Lidarwat <i>E.—</i>	9	67	...	Hence a fair road passable for laden ponies and mules.	Down Lidar valley left bank. This valley is called Dachinpara.	Lidar bridge	.....	S. and T. nil, G. F. W. available.	Halting place.
3	Aru <i>E.—</i>	9	...	76	.....		.. ..	.....	Ditto	Hamlet.
4	Pailgam <i>E.—</i>	9	...	85	Good road passable for laden animals.	.....	.....	8500	S. G. F. W. plentiful, T. available.	Chief place in Dachinpara, cluster of villages.
	<i>Ganeshbal</i>	...	...	...	.....	.....	.....	.....	.....	Chief stage of pilgrimage.
	<i>Bukot</i>	...	...	...	.....	.....	.....	.....	.....	Village.
5	Eishmakam <i>E.—</i>	14	...	99	.....	.....	.....	.....	Ditto	Mahomedan shrine, old copper mine at Harpat Nag.
6	Bawan <i>E.—</i>	10	...	109	.....	.....	.....	.....	Ditto	Beautiful spring, temple and caves.
7	Islamabad or Anant Nag. <i>P.O., T.O., B., C., E.</i>	4	4	113	.....	.....	Sulphurous hot springs.	5450	S. G. F. W. abundant, T. ample.	Town and bazar, head-quarters of district.

There are tracks from two places in the Sindh valley to Jajimarg, *viz.*, Surphar 35 miles, and Kuln 43 miles 3 furlongs. The former is seldom used. Most travellers go first to Sonamarg, and on their return branch off from Kuln. If coming the other way, they take the Kuln route as the nearest to Sonamarg. From Kuln after crossing the Sindh river the road ascends a spur through pine forest for 5 miles, then through birch trees, and ascends the grassy sides of the hill to Yemsa Nag and upwards to the summit, whence an easy descent to Sekiwas. From Jajimarg are paths to the seven lakes, through Nag Baran to Srinagar, through Arphal to Pampur, and through Trahal to Awantipur.

LI^b BALTAL to AMARANATH—

6	Baltal	...	...	63	5	This track is only practicable while the snow bridges across the river are able to bear weight.	Up the Sangam Kol or Upper Sindh valley.	.....	9000	S. and T. nil, G. F. W. procurable.	Huts.
7	Panjitarni	...	8	...	71	5	There is no regular path; closed after June.	.....	.....	S. and T. nil, G. W. available, F. Juniper bushes.	Halting place.
8	Amaranath Cave	...	5	...	76	5		Cave in the gypsum rock.	13000	Nil.	Celebrated place of pilgrimage sacred to Siva.

LI^c DRAS to ZANSKAR by SURU—

	Dras <i>P. O., T. O., B., C., E.</i> <i>Pramuari</i>	...	...	91	4	Rough road for laden animals. Steep ascent and easy descent.	 Lamagoos La.	Dras river	9825	S. G. F. W. and T. moderate.	Series of small villages, fort and thana.
1	Umba <i>E.—</i>	...	15	4	107	...	Umba La. Down Nakpochu valley.	.....	.....	Ditto	Village.
2	Sankhu	...	9	...	116	...	Fair hill road	.....	9970	S. G. F. W. and T. procurable.	Junction of Phulangma or Kurtse river.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
Llc	<i>ROUTE—contd.</i>	...	...						
3	Suru <i>E.—</i>	9 ...	116 ...	Hence steep ascent and descent over Parkutse spur or go round latter along right bank of Sankpo river about 12 miles.	Up Sankpo valley right bank. Parkutse La. Up Sankpo valley right bank.	Suru bridge	10624	S. G. F. T. moderate, W. plentiful.	Fort and village.
4	Parkutse	6 ...	137 ... 140 ...			.....	.....	S. and T. nil, G. F. W. available.	Small village.
5	Gulmatongo	12 ...	152 ...	Easy road passable for laden animals.	.....	.....	.....	Ditto	Huts.
6	Rin g d o m Gonpa Lama serai <i>E.—</i> <i>Tari Tonzus</i>	17 ...	169 ...	.....	.....	Kungi ford	.....	S. and T. precarious, F. G. W. available.	Lama monastery.
7	Randun Sankpo <i>E.—</i>	13 ...	171 4 182 ...	On both approach- es to this pass, several spurs have to be crossed which break up the road, but the general gradient is easy.	 Pensi La	Paller Brokpho. .....	.....	S. F. G. T. nil, W. plentiful.	Junction of Maroo or Petgam road at foot of Pensi La. Cross glacier.
8	Chumkurnoo	20 ...	192 ... 202 ...		Down Doda or Zanskar val- ley left bank.	.....	14400	S. and T. nil, G. F. scanty, W. plentiful.	Halting place.

9	Abring shool E.—	16	218	...	Rough road but passable.	.....	.....	Ditto	Hamlet.
10	Phe E.—	12	230	...	Fair hill track pass- able for laden animals.	.....	.....	S. G. F. W. procurable, few coolies.	Village nearly opposite Ating on right bank.
	<i>Tungring</i>	...	238	...	.....	Right bank	Doda bridge.		
11	Seni Gonpa E.—	11	241	...	.....	.....	.....	Ditto	Village and temple.
12	Padam E.—	9	250	...	.....	.....	Seni Tokpho bridge. T'sarap Lingti Chu or Sindu.	S. G. F. W. and T. procurable.	Former capital of Zanskar, village and fort.

From Sankhu 116 miles after crossing the Suru river there is a road eastwards up the Phulangma or Kurtse river to Kurtse 119 miles, a small town, and Itchu 137 miles, whence there is said to be a difficult footpath up the Hang ravine south-east over the high range to Ringdom monastery 161 miles.

From Ringdom 169 miles there is a difficult footpath over the Lima Lursa La 184 miles, across the head of the Omachu valley to Kesi La 208 miles, across the head of the Lunung Chu valley to Hulooma La 214 miles and 15,453 feet, down Tchelong Chu valley to its junction with the Omachu 223 miles, crossing the spur on both sides of this river, up the left bank of the Zanskar river by Hanonil 234 miles, Pidum 240 miles, Zozar 232 miles and 11,583 feet, where there is a rope bridge over the Doda or Zanskar river and along the right bank to Thonde 260 miles, and to Padam 270 miles.

At Tungring, join road from Umasi La, see Route XVII.

LII SRINAGAR to LEH by SURU—

THERE ARE SEVERAL POSSIBLE ROUTES ACROSS THE HILL COUNTRY AS SHOWN IN THE FOLLOWING TABLE.
FIRSTLY, OF PASSES BETWEEN THE JHEUM, DACHINPARA OR LIDAR AND THE MAROO OR WURDWAN VALLEYS.

SUNASUR NAG.		KISSLIN GULLI OR DIDOOF NAG.		HAIRBUL GULLI.		NILTOPA GULLI OR CHOR NAG.		MARGAN PASS OR SHILSAR PASS.		HOKSAR PASS.	
	Miles.		Miles.		Miles.		Miles.		Miles.		Miles.
Srinagar 5,235ft.	0	Srinagar	0	Srinagar	0	Srinagar	0	Srinagar	0	Srinagar	0
Takt-i-Suli- man 6,263ft.	3										
Gupcar	4	Pampur	8	Pampur	8	Pampur	8	Pampur	8	Pampur	8
Nisbat Bagh	7	Awantipur	18	Awantipur	18	Awantipur	18	Awantipur	18	Awantipur	18
Shalimar	9	Trabal	7	Bij Behara	11	Bij Behara	11	Bij Behara	29	Bij Behara	29
Harwan Bund of Water- works.	11	Up Patarhool valley. (Sotoor for Nag- baran.)	11	Gross mouth of Lidar valley.	...	Across Dachinpara	...	Islamabad	17	Islamabad Up Bringham valley.	17
Dajgaon	8	Bhogmoor pass 9,100ft.	33	Salee	14	Salee	14	Achibal	41	Sagam	48
Nagbaran	13	Wallarhama	12	Veil	47	Veil	47	Shangus	46	Wangam	54
Srinagar	0	Wallarhama	37	Mesaj pass	49	Mesaj pass	49	Shangus	46	Gohoon	8
Pampur	8	Dauhut	42	Gowrun	8	Gowrun	8	Hurrikun gulli.	51	Up Nowboog valley and Brinar ravine.	56
Wean Iron mines.	11										
Shar	6	Lungni valley	14	.....	...	.....	...	Karpoor	52		
Westerwan ridge.	17										
Pustuni	19	Doodschur Nag nala	54	Rishpura	54	Rishpura	54	Nowboog Up Nowboog valley.	12		58

Arphal <i>In Patarikool valley.</i>	...	21	.....	...	Dardpoora ...	55	Kimrun	7½ 58½	Gooran	9 67	Doos	63	
Sotoor	...	9 23	Kisslin gulli	58	Hairbul Nag	10 61	Niltopa gulli	...	Margan pass 11,600 ft.	73	Rajparan	14 70	
Tamnag ridge	...	31	Kisslin	13 64	Ditto Gulli ...	62	Zamkut	9 67½	Inshin	16 83	Hoksar pass 13,315 ft. <i>Down Sutgul valley.</i>	74½	
Nagbaran	...	10 33	Suknis	12 76	Jajmarg <i>Down Choi Draman Nai.</i>	63	Suidraman ...	7½ 75	Baswan	...	91		
Nagbaran	...	33	Wallarhama	37	.....	...	Baswan Suknis	80 13 88	Suknis	16 99			
<i>Cross high ridge</i>	...	36	Eishmakan ...	43	.....	...	Bij Behara ...	29	Shangus <i>In Arpat or Kuti tihar valley.</i>	46	Phamber	13 83	
Tar Sar	...	37	Lokutpoora springs.	45	Suidraman ... <i>In Wurdwan valley.</i>	11 72	Islamabad ...	6 35	.....	...	Dolwas ridge	86	
Lidar Wat ... <i>In Dachinpara valley.</i>	12 45	Harpal Nag <i>Old Copper mine.</i>	14 51		Martund ... <i>Ancient temples.</i>	6 41	Renipura ... <i>Across Arpat valley.</i>	45½	Wutrus	...	47½	Maroo or Pet- gam. <i>In Wurdwan valley.</i>	14 97
Aru	...	9 54	Goguldar	55	Baswan	77	Watrus	8½ 49½	Halkun gulli	52			
Pailgam	...	9 63	Liwapatur ... pass	57½	Suknis	13 85	Metmoo ...	53	Nowboog	10 56			
Tanin	...	10 73	Lungni valley	59	.....	...	Saogam	7½ 57	Gooran	9 65			
Zoiipul	...	78	Didoof Nag and gulli.	62	...	...	Chor Nag gulli	69	Shilsar pass	72½			
Sunasur Nag	8 81	Baswan ... <i>In Wurdwan valley.</i>	13 72	.....	Inshin <i>In Wurdwan valley.</i>	8 81	Hirmai	16 73	Pasur Nai	16 81			
Ditto Gulli	...	83	.....	...	Baswan	...	Baswan	89	Maroo or Pet- gam. <i>In Wurdwan valley.</i>	12 93			
Suknis <i>In Wurdwan valley.</i>	10 91	Suknis	8 80	.....	Suknis	...	Suknis	16 97					

SECONDLY, OF PASSES BETWEEN THE WURDWAN AND SURU VALLEYS—

BHUTKOL PASS KWAJ KUR ROUTE.			BHUTKOL PASS RANGMARG ROUTE.			CHILUNG PASS.			REMARKS.	
	Miles.		Suknis	...	Miles.		Maroo or Petgam.	Miles.		
	...	76			...	80				...	93
Suknis	...	...	Suknis	...	...	80	Maroo or Petgam.	...	93	All the foregoing routes between the Jhelum, Dachinpara and Wurdwan valleys are comparatively easy with the exception of the high snow passes, which are all difficult. The Sunasur Nag, Hairbul, Nilotpa and Chor Nag are the worst passes with bad approaches. Between the Wurdwan and Suru valleys both the Bhutkhol and Chilung passes are most trying, the Chilung pass is the worst over 10 miles of glacier. There are two ways over the Bhutkhol pass dependent upon the state of the snow. When the latter is hard, the Rangmarg route is preferred, as it is longer and of easier gradient. Afterwards the Kwaj Kur route, which is steeper, is taken.
Dumhoi	...	9	Dumhoi	...	9	89	Zubban Hot Springs.	...	101	
Morsekhol	...	12	Pajahoi	...	...	94	Metwan	14	107	
Bhutkhol pass 14,370 ft.	...	...	Kanital	...	15	104	Maharran	10	117	
Dunore	...	20	Bhutkhol pass	...	...	114	Kailgan rocks	12	129	
			Jalahoi	...	16	120	Camp west foot of glacier.	12	141	
Suru	...	10	Suru	...	15	135	Chilung pass East foot of glacier	...	146 151	
Parkutse	...	6	Parkutse	...	6	141	Ramdun Sankpo.	20	161	
Gulmatongo	...	12	Gulmatongo	...	12	153	Junction of road from Pensi La.			
Ringdom Lama Monastery.	...	17	Ringdom Lama Monastery.	...	17	170	Ringdom Lama Monastery.	13	174	

THIRDLY—(continued.)

KUNGI LA AND PHOTU LA.		KUNGI LA AND CHOMOTHANG LA.		KUNGI LA, CHOMOTHANG LA AND CHOKE LA.		KUNGI LA, CHOMOTHANG LA, CHOKE LA AND KUNDU LA.		REMARKS.
Miles.		Miles.		Miles.		Miles.		
Nurla	... 18½ 239½	Nurla	... 18½ 238½	Ezas	... Down Zaskar river.	Ezas	... Up Zaskar river.	On the Kunda La route there is a bridge over the Indus at Shushot, but the road about Chiling on the Zaskar river and up the Markha river is a mere footpath.
Saspul	.. 14¾ 244	Saspul	... 14¾ 253		 Cross Indus river		... Up Markha river.	
Nimu	... 11½ 255½	Nimu	... 11½ 264½	Nimu	... Join Leh road.		... Skio	
Leh	... 18½ 273½	Leh	... 18½ 282¾	Leh	...		... Kunda La 16,211 ft.	
11,500 feet.							12 278	
							16 294	
							... 299	
							10 304	
							... 11,500 ft.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
1	Srinagar <i>P. O., T. O., C., E.—</i>	...	0	By road or by boat up the river Jhelum to Kanabul, 50 miles by water.	Up Jhelum valley on right bank.	.....	5235	S. F. G. W. and T. abundant.	Capital of Kashmir Hari Parbat fort. Large town and bazars. Ancient capital and temple in ruins.
	<i>Pandrethan</i>	...	4 ...		.....	.....	.....	.....	
	<i>Pampur E.</i>	...	8 ...		.....	.....	5300	S. and T. nil, F. G. W. plentiful.	Two ancient temples in ruins.
	Awantipur <i>E.—</i>	18 ...	18 ...		.....	.....	.....	.....	Town and temples.
	<i>Bij Behara</i>	...	29 ...		.....	.....	5400	.....	Terminus of river navigation.
2	<i>Kanabul B.</i>	...	33 4	.....	.....	.....	5450	S. F. G. W. and T. ample.	Town, bazar and head-quarters of zillah.
	Islamabad <i>P. O., T. O., C., E.—</i>	17 ...	35 ...	Good road passable for laden animals to Nowboog.	Cross mouth of Arpat valley, then ascend Kutihar to Shangus along left bank.	Sulphurous springs.	.....	.....	Old Imperial garden and famous spring.
3	<i>Achabal B.</i>	...	36 ... 41 ...			Arpat bridge	.....	.....	Large village.
	Shangus <i>E.—</i>	11 ...	46 ...			.....	.....	Ditto	

LIII SRINAGAR to INSHIN in WURDWAN by the MARGAN or IKPATRAN PASS—

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LIII	<i>ROUTE—contd.</i>	...	...						
	<i>Karpur E.</i>	11 ...	46 ...	.....	Cross Karpur range by Harrikun or Halkun gulli.	.....	.....	S. G. F. W. and T. moderate.	Village on high ground.
4	Nowboog <i>E.—</i>	12 ...	58 ...	Hence road becomes rough but is passable for laden animals to Inshin.	Up Nowboog valley.	.....	.....	S. G. F. W. plentiful, T. available.	Large village.
5	Gooran	9 ...	67 ...		.....	Nowboog bridge.	.....	Ditto	Small village.
			73 ...	Road over pass of Margan pass or Ikpatran.		...	11600	.....	Pir Punjal range.
6	Inshin in Wurdwan. <i>E.—</i>	16 ...	83 ...	easy gradient but rocky on both sides, level plain for 2 miles on top of pass, fine views eastwards and westwards.	.....	Wurdwan bridge.	8143	S. and T. precarious, F. G. W. plentiful.	Village and capital of Wurdwan.

The alternative route by Halkun gulli from Shangus to Nowboog is 2 miles shorter, but not so good.

There is another route from Islamabad 35 miles, by Martund 41 miles, where are the ancient temples of the Sun, cross the Arpat or Kutihaar valley to Watrus 49½ miles and ascend left bank and ravine to Saogum 57 miles, thence ascend the Palaput spur of the main range Pir Punjal to the Chor Nag and gulli 69 miles and descend down the Hirmai ravine and cross the Wurdwan river by bridge to Inshin 81 miles. The approaches to the Chor Nag pass on both sides are very steep and rocky.

LIV SRINAGAR to HANLE by ZANSKAR—

	Srinagar <i>P. O., T. O., C., E.—</i>	...	...	0 ...	By road or by boat up the river Jhelum to Karabul, 50 miles by water.	Up Jhelum valley on right bank.	.....	5235	S. F. G. W. and T. abundant.	Capital of Kash- mir, Hari Parbat fort. Large city and bazars.
	<i>Pandrothan</i>	...	...	4 ...	.....	.....	.....	.....	.....	Ancient capital and temple in ruins.
	<i>Pampur E.</i>	...	...	8 ...	.....	.....	.....	5300	S. and T. nil, F. G. W. plentiful.	Two ancient temples in ruins.
1	Awantipur <i>E.—</i> <i>Bij Belara</i>	...	18 ...	18 ...	.....	.....	.....	5400	.....	Terminus of river navigation.
	<i>Kanabul B.</i>	...	...	33 4	.....	.....	.....	5450	S. F. G. W. and T. plentiful.	Large town, bazar and head-quarters of zillah.
2	Islamabad <i>P. O., T. O., C., E.—</i>	...	17 ...	35 ...	Good road passable for laden animals to Doos.	.....	Sulphurous springs. Arpat bridge.	.....	S. F. G. W. and T. available.	Large village.
3	Sagan <i>E.—</i>	...	13 ...	48 ...	.....	Up Bringh valley.	.....	.....	S. and T. nil, F. G. and W. procurable.	Small village.
	<i>Wangam E.</i>	...	...	54 ...	.....	Up Nowboog valley and Brinwar ravine.	.....	.....	S. F. G. W. and T. available.	Large village.
4	Gohoon <i>E.—</i>	...	8 ...	56 ...	Hence road is very difficult in places for laden animals.	.....	.....	.....	S. and T. nil, G. F. W. plentiful.	Halting place.
5	Doos <i>E.—</i>	...	...	63 ...	.....	.....	.....	.....	.....	.....
	Rajparan <i>E.—</i>	...	14 ...	70 ...	.....	.....	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		<i>m. f.</i>	<i>m. f.</i>						
LIV	<i>ROUTE—contd.</i>	..	70 ..			.....	13315		
6	Phamber <i>E.—</i>	13 ..	83 ..	Approaches on both sides rough, steep and stony.	Hoksar pass down Sutgul ravine. Dolwas spur	.....	.. ..	S. and T. nil, G. F. W. plentiful.	Halting place.
7	Maroo or Petgam in Wurdwan. <i>E.—</i>	14 ..	97 ..	Path rough and rugged and very difficult in places for ponies.	Up Furriabad valley right bank.	Wurdwan bridge.	.....	S. F. G. W. and T. moderate.	Village and custom house.
	<i>Zubban E.</i>	..	105 ..	.....	.....	.....	.....	.....	Hot springs.
8	Metwan <i>E.—</i>	14 ..	111 ..	.....	.....	.....	.....	S. and T. precarious, G. F. W. moderate.	Small village.
9	Maharran <i>E.—</i>	10 ..	121 ..	.....	.....	.....	.....	Ditto	Ditto.
10	Kailgang rocks... <i>E.—</i>	12 ..	133 ..	.....	.....	.....	.....	S. and T. nil, G. F. W. moderate.	Halting place.
11	Camp <i>west foot of glacier</i>	12 ..	145 ..	.....	.....	.....	.....	S. and T. nil, G. F. scanty, W. plentiful.	Ditto.
			150 ..	Glacier 10 miles long.	Chilung pass.				

<i>East foot of glacier</i> ...									
12	Ramdun Sank-po	... 20 ...	155 ...	Junction of 2 roads, down valley to Suru, and up to Padam by Pensi La.	 Pensi La	.....	.....	... 14400	S. F. G. T. nil, W. plentiful Cross glacier.
13	Chumkurmoo ...	20 ...	185 ...	Easy gradient crossing spurs on both sides of pass.	Down Doda or Zanskar valley left bank.	.....	.....	.....	S. and T. nil, F. G. scanty, W. plentiful. Halting place.
14	Abring or Roos-hool.	16 ..	201 ...	Rough road but passable.	.....	.....	.....	.....	Hamlet.
15	Phe ...	12 ...	213 ...	Fair hill track, passable for laden animals, junction of road from Kishtwar over Unasi La.	.....	.....	.....	12000	S. F. G. T. procurable, few coolies. Village nearly opposite Ating on right bank.
16	Seni Gonpa ...	11 ...	224 ...	.....	.....	.....	.....	.....	Ditto and temple.
17	Padam ...	9 ...	233 ...	.....	.....	.....	.....	11560	Ditto
	<i>E.—</i>							11873	S. G. F. W. and T. procurable. Former capital of Zanskar, village and fort.

Hence there are two routes to Hanle, one by Thonde, Shadi, Shoon and Lachalung to the Tso Morari Lake and the other up the Tsarap Lingti Chu across a corner of the British territory to the same Lake.

18	Thonde ...	9 ...	242 ...	Rough hill track, very difficult in places for laden animals.	.....	.....	.....	11460	
	<i>E.—</i>		248 ...		Thonde La down Shingri Chu.	.....	.....	16700	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LIV	<i>ROUTE—contd.</i>	..	248 ..						
19	Soulantakakh	14 ..	256 ..	Instead of following river, spur opposite junction may be crossed by Shingri La.	.....	Cross Shingri Chu several fords.	.....	S. F. G. T. nil, W. procurable.	
	<i>Mulla Sunda</i>	..	263 ..		Down Niri Chu left bank.	.....	.....	.....	Junction of Niri Chu.
	<i>Shalipo</i>	..	266 ..				.....	.....	
		..	270 4	.....	Right bank	Niri bridge	.....	.....	One mile to Shadi Monastery.
20	Tontak Gonpa	16 ..	272 ..	.....	.....	.....	.....	S. and T. scanty, F. G. W. available.	
	<i>E.—Bokung</i>	..	276 4	From Bokung another path follows down the right bank of Niri Chu to its junction with Shoon river and up the right bank of latter to Kar-moch, thus avoiding the two passes, distance about the same.	Malo Kontse La.	Ditto.	16570.		
		..	278 ..		Gotunta La	.....			
		..	284 ..						
21	Karmoch	16 ..	288 ..		Up Shoon valley right bank.	.....	.....	Ditto	Small village.
	<i>Mane Loh</i>	..	295 ..		.....	.....	.....	Ditto	Hamlet.
22	Sutak	14 ..	302 ..		.....	.....	.....		
23	Takh	9 ..	311 ..		.....	.....	.....	S. and T. precarious, F. G. W. procurable.	Small village.
			317 ..	.....	.....	Hot spring.			

24	Juktak	...	13	...	324	...	Join main road Lahoul to Leh passable for laden animals to 350 miles.	Up Gata ravine.	.....	...	S. F. G. T. nil, W. procurable.
25	Sundo <i>B.E.—</i> <i>Pinboyokma</i>	...	8	...	332	...	.....	.....	.....	.....	Ditto.
		...	...	...	334	...	.....	Lachalung La.	.....	16630.	
26	Sum Gal <i>E.—</i>	...	18	...	350	...	Khiangchu mai- dan, good road.	Up Sum Khey Loomba.	.....	...	S. and T. precarious, F. G. W. procurable.
27	Tractagol	...	16	...	366	...	Rough and rugged path.	.....	.....	.....	S. F. G. T. nil, W. scanty.
		...	...	...	370	...	.....	Telekon La down Phirse valley.	.....	.....	S. and T. nil, F. G. W. scanty.
28	Huahl	...	12	...	378	...	Junction of road from Lanyer La.	.....	.....	.....	S. and T. nil, F. G. W. scanty.
29	Manechan <i>E.—</i>	...	14	...	392	...	Junction of road from Pangpo La.	.....	.....	.....	S. and T. nil, F. G. W. scanty.
30	Khulmoche <i>E.—</i>	...	11	...	403	...	.....	.....	.....	.....	S. and T. nil, F. G. W. scanty.
34	Kiangdom <i>E.—</i>	...	11	...	414	...	Rough track pas- sable for laden animals.	.....	South end of Tso Morari Lake.	14900	S. F. T. nil, G. W. scanty.
		...	...	...	422	...	.....	Narboo La.	Lake	.....	S. and T. nil, F. G. W. procurable.
35	Lam Tso <i>E.—</i>	...	20	...	434	...	.....	Across head of Parechu valley.	.....	.....	S. and T. nil, F. G. W. procurable.
36	Dongam Le <i>E.—</i>	...	9	...	443	...	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable.
		...	...	...	447	...	.....	Lenak La.	.....	.....	.....
											Two tracks over this pass.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LIV	ROUTE—contd.	...	447 ...						
37	Gongra Le E.—	11 ...	454 ...	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Halting place.
38	Hanle E.—	20 ...	474 ...	Across Thungangeri plain.	.....	On left bank of Hanle river.	14270	S. F. G. W. and T. moderate.	Village and large monastery and thana.

From Huahl 378 miles, there is a path eastwards over the Lanyer La 385 miles, and down the Kingha Sharma ravine to 392 miles, whence another path turns off south-east over the Karzok La 399 miles, and down the Karzokfoo to Karzok monastery 408 miles, and 14,960 feet on the western bank of the Tso Morari Lake. Thence going southwards along this same shore Kharlung is reached at 414 miles and Kiangdom at 426 miles.

Or continuing from the Kingha Sharma camp at 392 miles down this ravine eastwards, Shakshang 404 miles is met on a plain, in which the Tso Kiagr Lake is situated; thence southward, along the same stream which flows into the north end of the Tso Morari at Peldo, Deldo Le, 413 miles is reached. Following the eastern shore of this Lake to Lunkserma Le 426 miles, the road strikes off eastwards over the Chagarchan La 436 miles, to Ooti 341 miles, and southwards to Lam Tso 444 miles.

LIV^a ZANSKAR to TSO MORARI LAKE by TSARAP LINGTI CHU—

17	Padam E.— Burdun Gonpa or Pip-cha.	...	233 ...	Fair road, passable for laden animals.	Up Tsarap Lingti valley left bank.	.....	11373	S. F. G. W. and T. procurable.	Former capital of Zanskar, village and fort.
		...	239 ...						

18	Reru E.—	...	15	...	243	...	Junction of road from Poat La down Tema-Tokpho road rough.	.....	Chemohekora bridge. Reru Tokpho bridge.	.....	S. and T. precarious, F. G. W. procurable.	Hamlet.
19	Sar Leh E.— Char	...	13	...	261	...	.....	.....	.....	Ditto	Ditto	Ditto.
20	Tetha E.—	...	9	...	263	...	.....	Junction of Niri Chu river.	Char bridge	12800	.....	On right bank.
21	Kargyah E.—	...	11	...	270	...	Good road	.....	.....	.....	Ditto	Hamlet.
22	Chumikmarpo	...	13	...	278	...	Hence a road over the Phirtse La to Chumikmarpo 15 miles.	.....	.....	13670	S. F. G. W. and T. procurable.	Village.
					281	...	.....	Surichun La, down Lingti Chu valley.	Two small glaciers. Cross several ravines.	.....	S. G. F. T. nil, W. procurable.	
					287	...	.....	.. ..	Yuman river	.....	.....	Junction of Yuman river.
23	Lingti Sarchu E.—	...	19	...	294	...	.....	Up Tsarap or Maling valley.	Sarchu river	.....	S. F. T. nil, G. W. available.	Junction of Sarchu and Lingti rivers.
24	Lama Guru	...	17	...	311	...	Boundary of Kashmir, cross border into British territory to Pankpo La. Road good as far as Lama Guru, hence difficult in places.	.....	.....	.....	S. F. T. nil, G. scanty, W. available.	Halting place.
25	Thung Ch ung Chiri.	...	12	...	330	...	Fairly easy ascent and descent, but slippery over snow slopes.	.....	Maling ford	.....	Ditto	Ditto.
26	Tso Kum	...	18	...	342	...	.....	Pankpo La down Lankpol valley right bank.	.....	17500	Ditto	Ditto.
					356	...	.....	.....	Lake.	.....	Ditto	
					360	...	.....	.....	.....	.....	Ditto	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LIV^a	<i>ROUTE—contd.</i>	18	360	...					
27	Khiang Shisa	11	371	...	Good road onwards down Lankpel and Phirsefoo to Kiangdom.	.....	.....	.....	Hamlet.
28	Manechan <i>E.—</i>	8	379	..	Join direct road from Thonde to Tso Morari.	.....	.....	S. and T. nil, F. G. W. scanty.	Halting place, junction of Phirse river.
29	Khulmoche <i>E.—</i>	11	390	...	.....	.....	.....	Ditto	Halting place.
30	Kiangdom <i>E.—</i>	11	401	...	.....	South end of Tso Morari.	14900	S. F. T. nil, G. W. scanty.	Plain, Lake water brackish.

This route is open from about middle of July to middle of October.

From Char bridge 263 miles, a road north-east by Char 264 miles up the right bank of the Niri Chu to Phooktal Gonpa 268 miles, and onwards to Bokung bridge 278 miles, where it joins the Thonde and Tso Morari road at mile 276½ between Tontak Gonpa and Karmoch.

From Lingti Sarchu 313 miles, there is a road due north along the Tsarap valley to Juktak 324 miles, where it joins the Thonde and Tso Morari road at mile 324, one march from the Lachalung pass.

The two alternative Routes LIV and LIV^a are therefore equal in length as far as Juktak.

There is not much difference in the length of these two routes between Padam and Kiangdom, the Thonde and Lachalung pass route is perhaps the easier of the two, as crossing the snow over the Pankpo La is a difficulty.

LV SRINAGAR to SIMLA and UMBALLA by KISHTWAR and KULU—

	Srinagar P. O., T. O., C., E.— Pampur E.	...	0 ...	By road or by boat up the river Jhelum to Kana- bul 50 miles by water.	Up Jhelum valley right bank.	.....	5235	S. F. G. W. and T. abundant.	Capital of Kashmir, Hari Parbat fort, large city and bazars.
1	Awantipur E.— Bij Behara Kanabul B.	18 ...	18 ...	.....	Left bank	Jhelum bridge Ditto	5300	S. and T. nil, F. G. W. plentiful.	Two ancient tem- ples in ruins.
2	Islamabad P. O., T. O., C., E.— Achibal B., E.—	17 ...	35 ...	Good road, passable for laden animals, which cannot cross the Chenab and Wurdwan rope bridges near Kishtwar.	Up Bringh valley.	Sulphurous springs.	5450	S. F. G. W. and T. plentiful.	Terminus river na- vigation. Large town, bazar and head-quarters of zillah.
3	Harhama E.— Sagam	11 ...	46 ...	.....	.....	.....	.....	S. F. G. W. and T. moderate.	Village.
4	Wyl E.— Promoo	9 4	55 4	.....	.....	Bringh bridge	.....	S. and T. nil, F. G. and W. procurable.	Junction of Now- boog river.
5	Wankringi or Karbodaram E.—	9 ...	64 4	Road good, but steep ascent and descent over pass.	Up Marbul ravine.	.....	.....	S. and T. nil, F. G. and W. plentiful.	Hamlet.
6	Singpur E.— Chatru	9	73 4	Road very fair.	Marbul pass down Kasher Khol valley.	.....	.....	S. and T. nil, F. G. and W. procurable.	Small village.
7	Moghul Maidan... E.—	10 ...	83 4	Road fair with ex- ception of cross- ing the two rope bridges to Kisht- war.	.....	.....	.....	S. and T. nil, F. G. and W. procurable.	Junction of Sin- chun Khol. Small village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LV	<i>ROUTE—contd.</i>	...	91 4						
8	Kishtwar <i>P. O., E.—</i>	11 4	95 ...	Good road from Kishtwar except in two places.	Chenab valley	.....	5000	S. G. F. W. and T. plentiful.	Small town and fort on high plateau above junction of Wurdwan and Chenab rivers.

From Wyl 55 m. 4f. at the entrance of the Nowboog valley, there is a loop route up the latter and the Brinwar ravine to Doosu, 62 miles, hence over the Chingam pass, 70 miles, and down the Dangur Nar to Chingam 80 miles, and following the Sinchun Khol to its junction with the Kasher Khol at Chatru, 86 miles. There is a good road on the western side to the foot of the Chingam pass; both the ascent and descent are precipitous and rugged over much snow and ice; from the foot of pass on eastern side to Chingam the track is fair and hence to Chatru good.

9	Bagni	13 ...	108 ...	Hence road bad along the wooded hills overhanging the Chenab with many ups and downs and along precipices to Siri.	Up Chandra Baga valley left bank. .....	.....	6150	S. and T. precarious, F. G. and W. plentiful.	Hamlet.
10	Pyas	10 ...	118 ...			.....	6320	S. and T. nil, F. G. and W. procurable.	Ditto.
11	Siri <i>E.— Jhar</i>	9 4	127 4	Road fair to Atholi through cultivation.	.....	.....	8700	S. and T. nil, F. G. and W. procurable.	Halting place 2000 ft. above Chenab. Path southwards over Panji pass into Karney Gad valley.
		...	137		.....	.....	.....		

12	Atholi <i>E.—</i>	...	14	...	141	4	Junction of Padar and Chenab rivers. Road fair.	Cross to right bank.	Chandra Bhaga bridge.	6360	S. F. G. W. and T. procurable after notice.	Village on left bank, Golabguth fort, chief place of Padar, opposite on right bank. Village on right bank.
13	Sol <i>E.—</i>	...	8	...	149	4	Road very difficult in 2 places.	.....	Shendi bridge.	.....	S. F. G. W. and T. moderate.	
14	Ashdari <i>E.—</i>	...	10	...	151 159	4 4	 Road fair	.....	Ooniar .....	.....	S. and T. nil, F. G. and W. procurable.	Hamlet.
	Kashmir and Chamba border.		...	...	165	4	.....	.....	Bilon	.....		
15	Darwas <i>C., E.—</i>	..	10	...	169 170	4 4	Junction of road eastwards over Sursunk and Poat La to Reru in Zanskar. Fair road.	.....	.....	8429	S. F. G. W. and T. available.	Large village.
16	Kilar <i>E.—</i>	...	6	...	175	4	Junction of road south westwards over Sachi pass by Tisa to Cham- ba.	.....	.....	8411	S. F. G. W. and T. procurable.	Village.
17	Sauch <i>E.—</i>	...	8	4	184 185	... ...	Junction of road south westwards over Chini pass to Tisa and Chamba.	.....	.....	7886	S. F. G. W. and T. moderate.	Ditto.
18	Majrao	...	7	...	191	...	Rough and rugged road, very diffi- cult in many places from Sauch to Saor.	.....	... ..	.....	S. and T. nil, F. G. W. procurable.	Hamlet.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
18	<i>ROUTE.—contd.</i>	7	191	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Hamlet.
19	Saor	8	199	.....	Cross to left bank.	Chandra Bhaga bridge.	.....	S. F. G. W. and T. moderate.	Village on left bank Chandra Bhaga.
20	Tindi	14	213	Junction of 2 roads westwards over the Charg and Drali passes into Chamba.	.....	Ditto.	.....	S. and T. nil, F. G. and W. procurable.	Hamlet on right bank.
21	Margraon <i>Odapur</i>	16	229	.....	Cross to left bank.	Chandra Bhaga bridge.	9566	S. F. G. W. and T. plentiful.	Several villages on left bank. Hindu temple frequented by pilgrims.
22	Triloknath <i>E.—</i>	9	237	Junction of road westwards over Kalichu pass 15,990 feet to Chamba.	.....	.....	.....	.....	.....

From Sauch to Odapur there is another route inland over the Gurdhar pass, 17,000 feet, which is taken when the river route is dangerous. There are 2 tracks over the Gurdhar pass between Bataor and Miyar, both very bad and arduous, grass shoes and ice axes necessary. The longer route goes from Bataor to Leias 6 miles at foot of pass, to Chirpat 15 miles crossing pass and to Miyar 3 miles.

17	Saach	...	...	184	...	Road fair	Up Tuan valley.	.....	Tuan bridge	.....	7886.	
18	Saichu	..	12	196	...	Ditto	.....	.....	.....	8412	S. and T. precarious, F. G. and W. procurable.	Hamlet.
19	Bataor	...	9	205	..	Very bad ascent, cross long snow field, cutting steps, and more difficult descent.	Gurdhar pass down Bendi valley to Odapur.	.....	.....	11633	S. and T. nil, F. G. W. procurable.	Ditto.
				214	...				.....	17000	.....	There are 2 routes over Gurdhar pass both very bad, the other by Leias and Chirpat.
20	Miyar	...	16	221	..	Road fair down valley, but difficult near Odapur.	.....	.....	.....	10215	S. and T. precarious, F. G. and W. procurable.	Hamlet.
21	Odapur	...	12	227	...	Road good	.....	.....	Bendi bridge	.....	S. F. G. and T. scanty, W. plentiful.	Village and Hindu Temple.
				233	...		Cross to left bank.	.....	Bendi	.....		
				236	...			.....	Chandra Bha-ga bridge.	.....		
22	Triloknath	...	4	237	4	Road easy	.....	.....	.....	9566	S. F. G. W. and T. plentiful.	Cluster of villages on left bank Chenab, Hindu temple frequented by pilgrims.
	Bamankoti <i>Chamba boundary, enter Kulu or British territory.</i>	...	...	239	4	Junction of road over Chobia pass to Chamba.	Cross to right bank.	.....	Chandra Bha-ga bridge. Ditto.			
				243	...			.....				
23	Jarna <i>Rupch on left bank Lota</i>	...	14	252	..	Road fair	.....	.....	.....	.....	S. F. G. W. and T. plentiful.	Village on right bank Chenab river.
		...	...	254	...	Junction of road over Kukti pass	.....	.....	Ditto.			
		...	...	262	...	17000 feet to Chamba.						

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LV	<i>ROUTE—contd.</i>	...	262 ...	...	.....	.....	.....	S. F. G. W. and T. available.	Village at confluence of Bhaga and Chandra rivers.
24	Tandi	14 .	266 ...	Good road	.....	.....	.....	S. F. G. W. and T. moderate.	Capital of Lahoul, Moravian Mission.
25	Kailing <i>Kardang B.</i>	4 ...	270 ...	Bagha valley well cultivated. Road easy with exception of narrow part round rocks.	Cross Bagha valley at its mouth.	Bhaga bridge	10100	S. F. G. W. and T. available.	Village on cultivated terrace.
26	Gundla	12 ...	282 ...	Junction of road westwards over Bara Baghal pass to Chamba and Kulu. Opposite Gundla a remarkable precipice.	.....	Cross 2 large hill torrents bridged.	10300	S. F. G. W. and T. available.	Small village.
27	Sissu <i>E.—</i>	9 ...	291 ...	Road bad in places, many ups and downs, wild scenery.	.....	Sisu " 5 hill torrents crossed by bridges.	9938	S. F. and T. scarce, G. and W. procurable.	Village.
	<i>New Koksar</i>	...	301 ...	.....	.....	.....	.....	S. F. and T. scanty, G. and W. plentiful.	
			304 ...	.....	.....	Chandra			

28	Koksar <i>B. C. E.—</i>	...	14	...	305	...	Ascent and descent of pass very steep. Cross this pass very early in morning owing to high wind after 9 A.M. Good road through lovely scenery, all the way to Sultanpur.	.....	.....	bridge.	10260	Ditto	Rest house.
					311	...		Rotang pass down Beas valley right bank.	.....	.....	13500		
29	Rahla <i>E.—</i>	...	10	...	315	...		.....	.....	.....	9000	S. and T. nil, F. G. W. available.	Hamlet.
	<i>Pulchun</i>	...	...	...	318	...	.....	.....	Solung or	.....	.....	.....	Good sport up So- lung nala.
	<i>Burwa</i>	...	...	...	320	...	.....	.....	Sarahi bridge	.....	.....	.....	Snake temple.
		...	...	...	321	...	.....	.....	Chenag	.....	.....	S. and T. available.	On upward journey
		...	...	...	322	...	.....	.....	Kshal	.....	.....	.....	take supplies at
30	Manali <i>E.—</i>	...	10	...	325	...	.....	.....	Manali	.....	.....	S. F. G. W. and T. procurable.	Burwa.
	<i>Baran</i>	...	...	...	330	...	.....	.....	.....	.....	.....	.....	Village.
		...	...	...	334	...	.....	.....	Kuish	.....	.....	.....	Chikor shooting.
31	Dwara or Kat- rain. <i>B., E.—</i>	...	13	...	338	...	.....	Down Beas valley.	Dobi	.....	4723	S. F. G. W. and T. available.	Red bears round Shegli.
		...	...	...	342	...	.....	.....	Raison bridge	.....	.....	.....	Dwara small town,
		...	...	...	344	...	.....	.....	Bandrol	.....	.....	.....	Katra in bunga- low.
32	Sultanpur <i>P. O. D. B., E.—</i>	...	12	...	350	...	.....	.....	Beas bridge	.....	4092	S. F. G. W. and T. plentiful.	Capital of Kul u, town, bazar, tehsil and police thana on right bank of Beas.

From Rahla, 315 miles, there is another route along the left bank of the Beas river to Sultanpur and Bajora.

29	Rahla <i>E.—</i>	...	...	...	315	...		Head of Beas valley.		9000	S. and T. nil, G. F. W. available.	Hamlet.
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NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LV	<i>ROUTE—contd.</i>	...	315 ...						
	<i>Burua, E.</i>	...	320 ...	Fine plain	Down left bank.	.....	.....	S. and T. available.	On upward journey take S. and T. here for crossing Rotang pass.
30	Bashist <i>E.—</i>	7 ...	322 ...	.....	.....	Hot springs.	6683	Ditto	Small village.
			324 ...	.....	.....	Beas bridge.			
			326 ...	Junction of road eastwards over Hamta pass 14,000ft. to Spiti.	.....	Hamta "	.....	.....	Good sport up nala.
31	Jagatsuk <i>E.—</i>	6 ...	328 ...	.....	.....	Doagnu "	5985	S. F. G. W. and T. moderate.	Small village.
	<i>Gojra</i>		327 ...	Good road through beautiful scenery.	.....	Splendid cascade.			
32	Nagar <i>E.—</i>	9 ...	337 ...	.....	...	Beas bridge	5780	S. F. G. W. and T. ample.	Small civil station on left bank of Beas.
	<i>Koïs</i>		342 ...	.....	.....	Raogi "	.....	.....	Fair sport up nala.
			345 ...	.....	.....	Koïs "	.....	.....	

33	Sultanpur <i>P. O., D. B., E.—</i>	13	...	350	...	Road branches off westwards over Bubru pass 10,000 ft. to Palampur, Kangra and Panchankot 141 miles.	... ..	Beas bridge	4092	S. F. G. W. and T. plentiful.	Capital of Kulu, town, bazar, tehsil and police thana on right bank of Beas.
			...	350	4		... ..	Sorbari "			
			...	355	...	Road branches off eastwards up Parbati Nala to Manikarn hot springs, 5,587 ft.	... ..	Beas bridge	.....	.....	Called Duff bridge.
34	Bajaura <i>B., E.—</i>	9	...	359	...	Road branches off westwards over Dulchi pass 6,000 ft. to Mandi.	... ..	Kandi "	3573	S. F. G. W. and T. procurable.	Small bazar and old ruined fort on right bank of Beas. Good sport around.
	<i>Badool</i>	...	...	362	...	Bridle road made and bridged throughout in good order and passable for laden animals to Nagkunda.	... ..	Beas "			
35	Larji <i>B., E.—</i>	12	...	371	...		Up Chata valley.	Synj "	.....	Ditto after notice.	Hamlet on left bank of Synj river at junction with Chata river.
			...	373	...		Cross to left bank.	Chata "	.....		Small village.
36	Manglaor <i>B., E.—</i> <i>Plach P. O.</i>	8	...	379	...		Right bank.	Ditto	3710	S. F. G. W. and T. moderate.	Large village, tehsil and police thana.
37	Jibi	9	..	381	...	.....	.....	.....	5718	.....	Small village.
			...	382	...	Ascent through pine forest and by steep zigzags to top of pass and descent gradual.	.....	Ditto	5860	Ditto after notice.	
			...	388	...		Jalaori pass down Arni valley.	.....	10000		
			...	395	...	Fine scenery	.....	.....			
38	Kot <i>B.—</i>	11	...	399	...		.....	.....	7750	S. F. G. W. and T. moderate after notice.	Ditto.
39	Choai <i>B.—</i>	9	...	408	...	Road leaves the valley and ascends a spur.	Cross spur and descend into Satlej valley.	Arni bridge	6162	S. F. G. W. and T. plentiful.	Cluster of villages.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
LV	<i>ROUTE—contd.</i>	...	...						
		9 ...	408 ...		.....	.....	.....	S. F. G. W. and T. moderate after notice.	Village.
40	Dularsh <i>B.—</i>	8 ...	416 ...	Continuous descent, very steep in places to Suttlej river and after crossing, very steep ascent by zigzags.	.....	Suttlej bridge	.....	.....	Called Lori.
		421 ...			.....	.....	.....	Ditto	Large village.
41	Komarsen <i>B.—</i>	9 ...	425 ...	Continuous ascent up spur, steep in places, to Nagkunda where join Hindustan and Thibet road.	.....	.....	8800	S. F. G. and T. moderate, W. scarce.	Small bazar.
42	Nagkunda <i>P. O., D. B.</i>	7 ...	432 ...		.....	.....			

From Hamta 326 miles, there is a track eastwards up the Raini or Hamta valley by Chika 11 miles over the Hamta pass 14,000 feet to Chahtru 20 miles, on the Chandra river left bank (opposite the site of old Koksar) on the road to Spiti.

From the Duff bridge over the Beas at 355 miles, there is a track north-eastwards up the Parbati valley to Chang 7 miles, Jherri F. B. 15 miles, Manikarn B. 5,587 feet 23 miles, where there are hot springs, Phulga F. B. 31 miles, and to another hot spring at 34 miles.

This nala is preserved and the hot springs are much resorted to.

There is another route from Manglaor 379 miles by Rampur, and Kotgurb to Nagkunda, which is passable for laden animals as far as the Suttlej rope bridge at Rampur, where join Hindustan and Thibet road.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LV	<i>ROUTE—contd.</i>	..	..						
43	Nagkunda <i>D. B.—</i> <i>Murari</i>	10	441	Road in excellent order along the mountain ridge to Simla.	.....	....	8700	S. G. F. and T. moderate, W. scarce.	Small bazar.
43	Mattiana <i>D. B.—</i>	11	454	.....	.....	.....	7690	S. scanty, F. G. W. and T. available.	Village.
44	Theog <i>D. B.—</i>	11	460	.....	.....	.....	7420	S. F. G. T. procurable, W. scanty.	Hamlet.
45	Phagu <i>D. B.—</i>	5	472	Roads to Masuri and Chor peak branch off here.	.....	.....	8170	S. F. G. W. and T. moderate.	Ditto.
	<i>Mahasu</i>	..	477	.....	.....	.....	8328	.....	Bazar.
	<i>Sanjoli</i>	..	481	Descent to Simla.	.....	.....	.....	.....	Toll bar.
		..	483	Road to Mashobra	.....	.....	.....	.....	Bazar.
		..	486	.....	Tunnel 500 ft.	.....	.....	.....	
46	Simla <i>P. O., T. O., Hotels C.</i>	12	487	Carriage road made and bridged throughout, Tonga service to Kalka.	This road follows general watershed spur, which separates the drainage of	.....	7300	S. F. G. W. and T. abundant.	Summer capital of India, sanitarium, town, large bazar. Palace of His Excellency the Viceroy and Governor-General of India.

47	Kiari Ghat <i>D. B.—</i>	...	16	...	505	.....	the Sulej from that of the Giri river.	.....	5427	S. and T. nil, F. G. W. moderate.	Three shops.
	<i>Kanda ghat</i>	...		4	510	Road branches east- wards to Chail, palace of H. H. Maharaja of Pa- tiala.	.....	.....	4650.		
48	Solon <i>P. O., T. O., D. B., C. E. small.</i>	...	15	...	520	.....	.....	.....	5000	S. F. G. W. and T. available.	Village and bazar small cantonment and brewery.
	<i>Baro ghat</i>	...		...	525	.....	.....	.....	5868		
49	Dharampur <i>D. B., E. very small.</i>	...	12	...	532	Cart-road 2½ miles to Dugshai can- tonment. Cart-road branches to Sunawar Lawrence Asy- lun and Kasauli 7 miles. Great landslip 7 miles from Kalka.	.....	.....	4900	S. F. G. W. and T. procurable.	Toll bar.
50	Kalka <i>P. O., T. O. Hotel, C. E.—</i>	...	15	...	547	.....	.....	.....	2200	S. F. G. W. and T. plentiful.	Large village and terminus of branch railway from Delhi and Umballa.

From Nogri bridge 422 miles there is a road up to Bahli B. 427 miles on the Hindustan and Thibet road, and along latter by Sungri B 8,400 feet 439 miles, at the head of the Pabar valley, Kudrula F. B. 9,400 feet, 449 miles, Bagi D. B. 8,600 feet 457 miles, at the head of the Giri valley, through forest to Nagkunda D. B. 8,700 feet 469 miles.

At 521 miles there is a road good for riding to Subathu cantonment 529 miles. Another bridle road also branches off from 532 miles to Subathu 542 miles.

Umballa is 39 miles distant from Kalka by rail.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
LV^a SIMLA to KALKA by OLD ROAD—									
46	Simla <i>Batori ghat</i>	...	489 ...	 Road to Jutogh and Bilaspur 38½ miles.	.....	.....	7200	S. F. G. W. and T. abundant.	Summer capital of India and sanitarium, town and large bazar.
47	Sairi <i>Hotel, E. very small Haripur</i>	...	502 ...	 Good bridle road the whole way from Simla to Kalka.	.....	.....	4950	S. F. G. W. and T. procurable.	Small bazar.
48	Kakar hatti <i>Hotel, E. small Subathu P. O.—</i>	...	507 ... 508 ... 509 ...	..... ..... .....	..... ..... .....	Blini bridge, Gumber "	2717	Ditto	Small village.
49	Kasauli <i>P. O., D. B. hotel—</i>	...	511 ... 515 ... 522 ...	 Cart road to Dharampur 10 miles. Ditto and bridle road to Sunawar Lawrence Asylum 3 miles.	..... ..... .....	..... ..... .....	4250 3500 6300	S. F. G. W. and T. plentiful.	Convalescent depot and small civil station, bazar.
50	Kalka <i>P. O., T. O., D. B. hotel, C. E.—</i>	...	531 ...	.....	.....	.....	2200	Ditto	Bazar and thana. Terminus of branch railway from Delhi and Umballa.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LV^b	<i>ROUTE—contd.</i>	...	...						
54	Rampur Mundi <i>B., E.—</i>	12	...	Earthen cart-road unbridged to Jhajra, whence bridged and metalled to Dehra.	Across drainage of Himalayas into Asun river.	.....	1334	S. F. G. W. and T. procurable.	Village.
	<i>Fattelpur B.—</i>	...	604	.....	.....	.....	1433	.....	Cross Chakrata and Timli pass road.
		...	607	.....	.....	Sitlrao.			
55	Sahanspur <i>P. O., B., E.—</i>	9	...	.....	.....	.....	1621	Ditto	Village and thana.
	<i>Jhajra</i>	...	613	.....	.....	Suarnarao.			
		...	618	.....	.....	Tons bridge.			
56	Dehra <i>P. O., T. O., Hotel, C., E.—</i>	17	...	Rough earthen cart-road, unbridged from Dehra to Hardwar.	Across drainage of Himalayas into Suswa river.	.....	2229	S. G. F. W. and T. abundant.	Military Cantonment, Civil station, town and bazar.
57	Lachiwala <i>E.—</i>	10	6	...	.....	Rispanarao.	1680	S. G. F. scarce, T. nil, W. plentiful.	Small village on right bank Song river.
58	Kunsrao <i>C., E.—</i>	8	...	.....	.....	Suswa river.	1360	Ditto	Small village on right bank Suswa river.
	<i>Raivala</i>	...	652	.....	.....	.....	.....	.....	On right bank Ganges, good fishing.
		...	654	.....	.....	Motichur nala.			

59	Hardwar <i>P. O., T. O., D. B., C., E.—</i>	...	12	...	657	6			1050	S. G. F. W. and T. abundant.	Small town and bazar; celebrated bathing ghat on Ganges River.
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From Rampur 416 miles, a road goes southwards by Bahli, B., Sungri, B., where it crosses the high range dividing the Sutlej and Touse valleys, Roru on the Pabar river and down this valley, along the right bank, by Raengarl, Shalna or Arakot and Baig or Tuni bridge F. B., below the junction of the Pabar and Touse rivers at miles 327 of Route XLIX between Simla and Masuri.

From Simla 489 miles, there is a rough path down the Giri valley frequented by fishermen, by Dogra, 4,300 feet (under Junga 5,300 feet, capital of Kuntial State) 8 miles, Kharganu 3,100 feet 22 miles, Newar 33 miles, Secon 42½ miles, Satibagh 52½ miles near Ranka Lake, Konilla 60½ miles, Sattawan 69½ miles, Rajghat 80½ miles, at junction of the Giri and Jumna rivers, Jumna ferry 82½ miles; Kharganu is about 10 miles below Solon, and Satibagh 18 miles from Nahau.

From Kolar a road branches southwards over the Baila Pass of the Siwalik Range to Bilaspur 20 miles, and Jagadhri railway station 15 miles; total 35 miles.

From Nahan there is a cart-road down the hill to Kala Amb 11 miles, whence there are cart-roads to Umballa 30 miles and to Sadhaura 8 miles. From Sadhaura there are two cart-roads to the N. W. Railway, at Barara 16 miles, and at Jagadhri 18 miles.

LVI SRINAGAR TO SIMLA AND UMBALLA by CHAMBA and KANGRA—

	Srinagar	...	...	...	0	...	By road or by boat up the river Jhelum to Kanabul 50 miles by water.	Up Jhelum valley right bank.	.....	5235	S. F. G. W. and T. abundant.	Capital of Kashmir, Hari Parbat fort. Large city and bazar.
	<i>Pampur</i>	...	...	...	8	...	.....	.....	.....	5300	S. and T. nil, F. G. W. plentiful.	Two ancient temples in ruins.
1	Awantipur <i>E.—</i>	...	18	...	18	...	.....	.....	Jhelum bridge	5400	...	Terminus river navigation.
	<i>By Belara Kanabul, B.</i>	...	...	...	29	...	.....	Left bank Right bank	Ditto	5450	S. F. G. W. and T. plentiful.	Large town, bazar and head-quarters of zillah.
2	Islamabad <i>P. O., T. O., C., E.—</i>	...	17	...	35	...	Good road passable for laden animals.	...	.....			

Hence there are two routes to Budrawar, one by the Marbul pass and Kishtwar, *see* Route LV, marches 2 to 8, and Route XVII, marches 12 to 8, the other as under:—

Travellers in Budrawar are advised to apply for a purwanah for supplies and transport to Raja Sir Amar Singh, K.C.S.I., at Jammu.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
LVI	<i>ROUTE—contd.</i>	...	35 ...						
3	Verinag <i>P. O., T. O., B., E.—</i>	16	2	.....	Up Sandrin valley.	Bringh bridge Sandrin "	6000	S. F. G. W. plentiful, T. available.	Large village and tehsil. Copious spring and ruins, Customs post.
4	Chaon	10	...	.....	.....	Ditto.	.....	Ditto	
5	Camp—Southern foot of pass.	13	...	Steep ascent and descent.	Braribal pass, Down Linder Khol valley.	.....	...	S. and T. nil, F. G. W. plentiful.	Halting place.
6	Gayi	7	...	Rough and stony road.	.....	.....	.....	S. F. G. W. and T. available.	Small village.
7	Bhagwan	9	...	.....	.....	.. ..	.. ..	Ditto	Ditto.
8	Doda	7	...	Good road passable for laden animals.	Up Chenab right bank, A cross Chenab valley.	Chandra Bha- ga or Chenab rope bridge.	.....	S. F. G. W. and T. plentiful.	Large village and thana.
9	Kalen	10	...	.....	Up Neroo valley left bank.	.....	...	S. F. G. W. and T. available.	Small village.
10	Budrawar	11	...	Fair road passable for laden animals.	.....	.....	5427	S. F. G. W. and T. ample.	Capital of Budra- war, Jaghir of Raja Sir Amar Singh, K.C.S.I.
11	Thenala	8	...	Long ascent to pass and steep descent	.....	.....	.....	S. and T. nil, F. G. W. plentiful.	Iron mines.

12	Langer — <i>En- camp on roof of huts.</i>	14	6	128	..	down stony bed of stream.	Padri pass down Kandi Marl valley. Down Shoon valley.	... ..	9000	.....	Border of Kashmir and Chamba.
13	Bhandal <i>Digi</i>	12	..	141	...	Road fair	..... .....	..... .....	5982	Ditto	Hamlet.
14	Manjiri B.—	14	..	153 157	.. ..	Road hilly and stony.	 Across Sachin valley.	 Shoon ferry	5679	S. F. G. W. and T. available.	Large village. Ditto.
15	Chamba <i>P. O., T. O., D. B., C., E.—</i>	16	..	167 168 183	.. .. .	Rough and stony road.	 Sachi bridge. Ravi "	..... .....	3000	S. F. G. W. and T. abundant	Ditto. Capital of Chamba, residence of Raja. Large town and bazar.

From Chamba, a route goes northwards over the Sachi pass and across the Chandra Bagha river to Kilar in Pangi at miles 175½ of Route LV; the marches from Chamba are, to Masrond 12 miles, Kahl 9 miles, Tisa 12 miles, Alwas 12 miles, crossing Sachi pass and Chandra Bhaga river to Kilar 24 miles—Total 69 miles.

From Tisa a path branches eastwards over the Chaini pass and Chandra Bhaga river to Sanch at miles 184 of Route LV.
From Chamba are two paths north-eastwards by Chanju over the Chara and Dral passes to Tindi on the Chandra Bhaga river at mile 213 of Route LV; also a third path over the Kalichu pass to Triloknath, and a fourth path over the Chobia pass and Chandra Bhaga river to Bamankoti at mile 243 of Route LV.

From Chamba, there are two routes eastwards up the valley of the Ravi and over the Kukti and Bara Baghal passes and across the Chandra Bhaga river to Tandi in Lahoul, *see* Route XVIII, marches 11 to 19.

From Chamba to Dalhousie 6,744 feet are two roads, the Upper to Khajjar 7 miles, where there is a Dak Bungalow 6,000 feet at the end of a level and grass valley surrounded by fine deodars, and thence to Dalhousie 10½ miles—Total 17½ miles. The lower road is longer but more level, to Chhli, B., 9 miles, and to Dalhousie 12 miles—Total 21 miles. Through transport necessary.

From Chamba to Puthankot, there are three roads, one down the Ravi valley to Batli 14½ miles, Siudhara 12½ miles, Phandgota 10 miles, Shahpur 11½ miles, Puthankot 8 miles—Total 56½ miles. The second through Dalhousie 17½ miles, Nynce Khud 13 miles, Daneira 10 miles, Dhar 11 miles, Shahpur 12 miles, Puthankot 8 miles—Total 71 miles. The third through Chuar 17½ miles, Nurpur 16 miles, Puthankot 16 miles—Total 49½ miles.

From Chamba to Dharmasala 6,111 feet in Kangra are two routes, one eastwards up the Ravi valley to Rakh 12 miles, Chitrati 10 miles; thence south-eastwards by Koti 4 miles, Chanota 8 miles; hence southwards by Kanarsi 9 miles, crossing Andrar pass 14,100 feet over the Dhaoli Dhar range to Dharmasala D. B. 6,111 feet 11 miles, and Kangra 2,400 feet 10½ miles—Total 64½ miles. The second route from Chamba south-eastwards by Rareri 6 miles, crossing pass with steep descent of 5 miles to Chuar 12 miles, Rapir 7 miles, Sihunta 9 miles, Rihloo 12 miles 3,184 feet; hence either to Dharmasala 11 miles—Total 57 miles, or by Chytruo to Kangra 13 miles—Total 59 miles. This is a rough and bad road for ponies.

NUMBERS OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
LVI	<i>ROUTE—contd.</i>	16 ...	183 ...						
16	Rareri	6 ...	189 ...	.....	.....	...	.....	S. F. G. W. and T. procurable.	Village.
	<i>Mankot</i>	... ..	193 ...	Steep descent from pass for 5 miles.	Mankot gully.				
17	Chuari	12 ...	201 ...	.....	.....	.....	.....	Ditto	Customs post.
	<i>Jajri</i>	... ..	207 ...	... ..	.....	Chukki ford.			
18	Nurpur <i>P. O., D. B., C., E.—</i>	16 ...	217 ...	Join cart-road from Puthankot up the Kangra valley to Palampur 71 miles, bridged throughout with the exception of 7 causeways over rao crossings and partially metall-ed.	Across drainage of Himayas, Dhaoli Dhar range, falling southwards into Beas river.	.....	2000	S. F. G. W. and T. ample.	Ancient fort and town, large bazar and telsil.
	<i>Jonteh</i>	... ..	226 ...			.....	2200	.....	Cultivated plateau.
19	Kotla <i>P. O., D. B., E.—</i>	13 ...	230 ...			Dehri bridge wooden arch 200ft. span.	1700	S. F. G. W. and T. available.	Large village and thana.
	<i>Mandigram</i>	... ..	239 ...			.....	2740	.....	Tea gardens.
		10 5	240 5			.....	2500	Ditto	Bazar and plateau.
20	Shahpur <i>P. O., D. B., E.—</i>		244 2	.....	.....	C h u m b i bridge.	2230	.....	Road branches to Dharmasala.
			247 ...	.....	.....	Guj bridge	2400		

21	Gurkhari , $2\frac{1}{2}$ miles south to Kangra and 8 miles north to Dharm-sala by cart-road.	10	4	248	4	.....	.....	Maji "	2450	S. F. G. W. and T. plentiful at Kangra and Dharmsala.	Kangra, ancient fort, large town and bazar, celebrated Devi temple frequented by pilgrims.
				251	1	.....	.....	Mamuni "	2450	.....	Dhamsala, coal-valescent depot, small military cantonment, and civil station, town. Bazar.
					4	.....	.....	Bunera bridge	2450		Several tea gardens on Patahar range.
22	Nugroteh	7	...	258	...	.....	.....	.....	2850	S. F. G. W. and T. available.	
	<i>Malan bazar</i>	...	...	261	...	.....	.....	.....	3000	.....	
				265	2	.....	.....	Nugul bridge	3070		
23	Palampur <i>P. O., D. B., C., E.—</i>	14	...	272	...	Cart-road under construction from Palampur to Mandi.	.....	.....	4050	S. F. G. W. and T. plentiful.	Large bazar and centre of Tea gardens.
24	Bajnath <i>D. B., C., E.—</i>	9	4	281	4	Near border of Mandi State.	Across head of Rana drainage.	Binnu bridge	3300	S. F. G. W. and T. procurable after notice of villages.	Hindu ancient temples, place of pilgrimage, cluster of villages.
25	Dhelu in Mandi ... <i>B., E.—</i> <i>Guma</i>	12	...	293	4	Cart-road southwards from Guma to Mandi and bridle road eastwards from Guma to Kulu.	Down Rana valley keeping along ridge of spur separating the Rana and Ool valleys.	.....	.....	S. F. G. W. and T. available.	Village.
		...	...	300	...			...	5100	.....	Salt mines.
26	Hurla in Mandi ... <i>B.—</i>	13	...	306	4			.....	4740	Ditto	Village.
27	Drung in Mandi <i>B., E.—</i>	12	...	318	4			.....	3500	Ditto	Salt mines.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEAL LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LVI	<i>ROUTE—contd.</i>	...	318 4						
28	Mandi <i>P. O., D. B., C., E. —</i>	11 4	330 ...	Good road passable for laden animals.	Up Sukaty valley.	Beas bridge, iron suspension 240 feet span.	2991	S. F. G. W. and T. abundant.	Capital of Mandi State, residence of Raja. Large town and bazar.

From Dhamsala there is an upper bridle road bridged throughout, 11 miles to Dadh D. B., 3,500 feet and 10 miles to Palampur D. B., passing by the Kunjara Slate quarries at $3\frac{1}{2}$ miles from Dhamsala. It is dotted with tea gardens.

From Kangra there is a road by Ranital, Juala Mukhi 1,883 feet, Nadaon, where cross Beas river to Belaspur and Simla, which is described in Route XIX, marches 11 to 21.

From Palampur 272 miles there is a track northwards over the Dhaoli Dhar range by Bunooru 3 miles, Klaj pass 14,400 feet 18 miles, to Chanair 30 miles, on the left bank of the Ravi river in Chamba at mile 166 of Route XVIII between Chamba and the Bara Baghal pass.

From Gunia 300 miles the Kulu road eastwards continues to Jhatigri B., 6,600 feet, in Mandi 304 miles 4 furlongs, crosses Ool bridge, Badvani B., 6,700 feet, in Mandi 317 miles 2 furlongs, cross Bubu pass 9,480 feet, Kurann B., in Kulu 327 miles 2 furlongs, Sultaunpur 335 miles 2 furlongs, D. B., 4,043 feet, telisil, chief town in Kulu. This route is closed in winter.

From Drung 318 miles 4 furlongs, in Mandi another route goes eastwards to Kulu, which is open in winter, by Kataula B., in Mandi 330 miles 4 furlongs, cross Dulchi pass 6,700 feet, 338 miles 4 furlongs, Kandi B., 339 miles 4 furlongs, Bajaora D. B., in Kulu 3,573 feet 348 miles, Sultaunpur 357 miles.

From Bajaora is the Kulu route to Simla by Plach and Kotguruh which is described in Route LV, marches 36 to 46.

From Mandi 330 miles eastwards to Kataula is 13 miles.

29	Suket <i>P. O., E. —</i>	...	16 ...	338 ... 346 ...	Flat and level road	 Down Sutlej valley.	Sukaty bridge.	2965	S. F. G. W. and T. plentiful.	Capital of Suket State, or Bened. Town and bazar.
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30	Dihar <i>P. O., B.—</i>	...	12	...	358 364	...	...	Ditto left bank.	Sutlej ferry Ullay bridge.		S. F. G. W. available, T. nil.	Large village on right bank Sutlej.
31	Bilaspur <i>P. O., B., E. extensive</i>	...	11	...	369 372	...	Road fair passable for laden animals.	... .....	..... Gumrola bridge.	1600	S. F. G. W. and T. ample.	Capital of Bilaspur or Kahlur State, residence of Raja. Large town and bazar.
	<i>Nairti</i>	...	...	...	374	...	.....	.....	Gumber bridge.			
32	Kundulu	...	16	...	379 385	...	Stony ascent and descent.	Chambarange.	.....	.....	S. F. G. W. and T. procurable.	Village 2 miles from Hindur.
33	Nalagurh <i>P. O., B., E.—</i>	...	14	...	399	...	Good road but stony	Across drain- age of Chamba range, up Pinjor Dun. Up Sirsa valley in Pin- jor Dun.	.....	.....	S. F. G. W. and T. plentiful.	Capital of Hindur State. Town and bazar.
34	Badi <i>B., E. limited—</i> <i>Karanpur</i>	...	12	...	411	...	Ditto	.....	.....	.....	S. and T. after notice, F. G. W. available.	Small village.
		...	...	...	418	...	Ditto	.....	...	.....	.....	Ditto.
35	Kalka , <i>terminus of branch railway from Umballa.</i> <i>P. O., T. O., Hotel, C., E. confined and stony.</i>	...	13	...	424	...	By Railway	.....	.. ..	2200	S. F. G. W. and T. ample.	Large village situ- ated at foot of Himalayas, whence two roads to Simla.
36	Umballa <i>by rail</i>	...	39	...	463	...						

From Bilaspur there are two roads eastwards to Simla, of which the southerly one up the Gumrola valley is described in Route XIX, marches 18 to 21, the northerly one runs thus: Bilaspur 369 miles, Namuli B., 381 miles, Erki B., 395 miles, Jutogh 411 miles, Simla 417 miles.

From Nalagurh is a road westwards to Rupar 1,120 feet and 16 miles, a town on the left bank of the Sutlej river, where it issues from the Himalayan hills, and at the head of the Sirhind Canal. A branch tramway, formerly extended from Nalagurh by Rupar and Machiwarra to Doraha on the N.-W. Railway, to serve for the construction of the head works of the Sirhind Canal and it has since been taken up.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.	
		INTER-MEDIATE. m. f.	TOTAL. m. f.							
LVII ^a BUDRAWAR to JALANDHAR and AMRITSAR by PUTHANKOT—										
10	Budrawar	...	118	2	Fair road passable for laden animals runs almost due south to Puthankot and Jalandhar.	Up Halun valley. Chatardhar pass.	.....	5427	S. F. G. W. and T. abundant.	Capital of Budrawar and Jaghir of Raja Sir Amar Singh, K.C.S.I. Large town, bazar and fort.
11	Camp at 'southern foot of pass.	14	6	133	.....	Down Jabar valley left bank.	.....	.....	S. and T. nil. F. G. W. plentiful.	Halting place.
12	Loang	15	...	148	.....	Down Siowa valley.	.....	.....	S. F. G. W. and T. procurable.	Small village.
13	Hartli Oojon	8	...	156	.....	.....	.....	..	S. F. G. W. and T. available.	Village.
		...	...	158	.....	Banjil pass over Ramrun or Chara ridge.	.....	.....		
		...	...	160	.....	Down Chil valley.	.....	.....		
14	Pood	14	...	170	.....	Down Ravi valley right bank.	.....	.....	Ditto	Ditto.
15	Basaoli P. O., C., R.—	13	...	183	.....		.....	2170	S. F. G. W. and T. plentiful.	Town, fort and bazar on right bank of Ravi river.

16	Thain	...	12	...	195	...	.....	Cross to left bank.	Ravi ferry	.....	Ditto	Village and fort.
17	Madhopur <i>P. O., D. B., E.—</i>	...	15	...	210	...	Cart-road hence to Puthankot.	.....	.....	1137	Ditto	Bazar and cana workshop.
18	Puthankot <i>P. O., T. O., Hotel, C., E.—</i>	...	10	...	220	...	.....	.....	... ..	950	Ditto	Town and bazar. Terminus of branch railway.

Hence there is a branch railway by Gurdaspur 23 miles and Batala 43 miles, to Amritsar 67 miles in length.

From Puthankot there are two routes to Jalandhar, one direct by Mokerian and the other through Kangra and Hoshiarpur.

19	Mirthal	...	12	...	222	...	Earth unbridged road, stony in places, crossing many ravines.	Down Beas valley.	Chukki ford. Beas ferry	.....	S. F. G. W. and T. procurable after notice	Small village on right bank Beas
20	Mokerian <i>P. O., B., E. good —</i>	...	12	...	245	...	Good road from Dasoha to Jalandhar.	.....	.....	915	S. F. G. and T. available, W. plentiful.	Small town and fort.
21	Dasoha <i>P. O., C., E. good —</i>	...	9	...	254	...	.....	.....	.....	.....	Ditto	Village.
22	Tanda <i>P. O., D. B., E. good</i>	...	10	6	264	6	.....	.....	Veyn bridge Ditto.	.....	Ditto	Ditto.
23	Kala Bakru <i>E. good —</i>	...	13	...	272	2	.....	.....	.....	.....	S. F. G. W. and T. procurable after notice	Small village.
24	Jalandhar <i>P. O., T. O., D. B., C., E.—</i>	...	14	...	275	6	.....	.....	.....	778	S. F. G. W. and T. abundant.	Station N.-W. Railway, civil station and military cantonment. Headquarters of Commissioner large city and bazar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
18	Puthankot <i>P. O., T. O., Hotel, C., E.—</i>	...	220 ...	Cart-road bridged throughout with exception of 7 causeways between the Lyall Viaduct and Kotla. It is partially metalled, and the soil being gravelly, tongas and ekkas can travel at a good speed. Ground undulating throughout.	Across drainage of Himlayan range, Dhaoli Dhar, which falls southwards into the Beas river.	...	950	S. F. G. W. and T. plentiful.	Terminus of branch railway, town and bazar.
19	Lyall Viaduct <i>E.— Banda Bodki</i>	7 ...	227 ...			Bridge over Chukki river, 28 spans of 40 ft. stone arches.	1300	S. and T. nil, G. F. W. plentiful.	Halting place.
20	Noorpur <i>P. O., D. B., C., E.— Jonteh</i>	9 ...	236 ...		...	.....	2050	S. F. G. W. and T. ample.	Shops.
21	Kotla <i>P. O., D. B., E.— Parli Mundigram</i>	13 ...	249 ...		.....	Dehri bridge wooden arch 200 ft. span.	2200	S. F. G. W. and T. available.	Ancient fort, tehsil, large town and bazar.
		...	253 7	.....	.....	.....	1700	.....	Large village and thana.
		...	258 ...	.....	.....	.....	.....	Shops.	
		...	259 5	.....	.....	.....	2740	.....	Shops.
		10 5	260 4	.....	.....	Koli bridge.	2500	Ditto	Tea gardens.
22	Shahpur <i>P. O., D. B., E.— Nerti</i>	...	263 2	.....	.....	Chumbi "	2230	.....	Bazar and plateau.
		...	...	.....	.....	.....	.....	.....	Road branches to Dhamsala.

The other-route by Kangra and Hoshiarpur is as under:—

23	<i>Gurhari</i>	...	...	266	...	.....	.....	Guj	2390	.....	Cart-road to Palampur.
		...	4	267	.....	.....	.....	Maji	2450	.....	Ancient fort on high rock above Bangunga. Celebrated Devi temple in Bhawani. Large bazar.
		...	1	270	.....	.....	.....	Mamuni bridge.	2450	.....	
	Kangra	...	3	273	...	Hence bridle road passable for laden animals to Hoshiarpur.	.....	.....	2400	S. F. G. W. and T. plentiful.	
	<i>Daulatpur</i>	...	...	274	4	.....	.....	Bangunga bridge.	£100	.....	
24		...	...	278	4	.....	.....	.....	2000	S. F. G. W. procurable, T. nil.	Small village, crosses road from Huriptur to Juala Mukhi.
	Ranital	...	11	284	...	.....	Bhagrot saddle.	.....	1400	S. F. G. W. and T. available.	Town, lazar, tehsil and schools.
	Gopipur Dehra	...	13	297	...	.....	Across Beas valley.	Beas bridge of boats or ferry in rains. Gopipur Rao.	3000	Ditto after notice, W. scanty.	Small village.
25	<i>Kinna</i>	...	...	300	...	.....	Summit of Siwalk range.	.....	2400	.....	Road 3 miles east to Umb. Hamlet.
	Bharwain	...	11	308	4	Crosses wide raos in Jeswunt Doon, which are very sandy and heavy.	.....	Sohan ford	.....	Ditto	Halting stage.
	Gagret	...	13	321	4	.....	Nain pass.	.....	.....	S. and T nil, F. G. W. procurable.	
26		...	...	324	4	...	Southern base of Siwalk hills	Maskara Rao.	.....		
	Manguwal	...	7	328	4	.....	...		331		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LVIa	<i>ROUTE—contd.</i>	...	...						
29	Hoshiarpur <i>P. O., D. B., C., E.</i> <i>confined—</i>	8	4	Hence - cart road bridged and metalled to Jalandhar, where dak ghans procurable.	.....	Chooa Rao	1055	S. F. G. W. and T. ample.	Small civil station, town and bazar.
30	Adampur <i>Nasrula</i>	14	...	.....	.....	.....	880	Ditto after notice	Small village.
31	Jalandhar <i>P. O., T. O., D. B., C., E.—</i>	11	...	.....	.....	.....	778	S. F. G. W. and T. abundant.	Station on N.-W. railway, civil station and military cantonment. Large city and bazars. Head-quarters of Commissioner of Jalandhar.

From Hoshiarpur there is a good road eastwards to Maudh thus :—

Hoshiarpur D. B., 1,055 feet, across Panda Gala of outer Siwalik range 14 miles, across Sohan river in the Jeswant Dun to Onuh B., 1,329 feet 26 miles, across two ranges of the inner Siwalik hills 29 to 39 miles, to Barsar B., 42 miles, across Jaroli pass of Hamirpur range 52 miles, to Aggar B., 54 miles, across Ludrar pass of another range 60 miles, across Sher Khud river 68 miles, to Panla B., 3,308 feet, in Mandi 70 miles, across another range 76 miles, to Galma B., 3,004 feet 82 miles, and down Sukary valley to Mandi D. B., 3,000 feet 95 miles.

LVI GILGIT to SRINAGAR—See *Route XLVI*. Srinagar to Chilas by Kanakduni pass, 15,008 feet.
XLVII. Srinagar to Astor by Shontar pass, 15,052 feet.
XLVIII. Srinagar to Gilgit by Ruzil Dorikun pass, 13,900 feet.

LVII GILGIT to SRINAGAR by SKARDU—Old Route, Map.

	Gilgit or Gilgit <i>P. O., T. O., E.—</i>	...	0	Road fair, mostly over maidan, fit for pony traffic in winter. Closed in summer owing to want of bridges.	Down Gilgit valley left bank.	Gilgit river	4890	S. F. G. and T. moderate, W. plentiful.	Military Canton- ment, town and bazar. Residence of Politi- cal Agent, head- quarters of pro- vince.
1	<i>Dainyor</i> <i>Ushkhan</i> Chamogah <i>E.—</i>	...	4 12 17	Three bad parris or cliffs in this march. .....	.....	Hunza " Bagrot " Batakora nala	..... ..... .....	..... ..... S. and T. nil, G. F. W. available.	
2	Boogun <i>Shuta</i>	...	26 31	.....	Up Indus valley right bank. The river flows through a succession of deep gorges with high precipitous cliffs on both sides.	" " " " Shuta nala. Hannchal " K'haltar "	..... ..... ..... .....	..... ..... Ditto F. scarce.	Junction of Gilgit and Indus rivers.
3	Sasil (Haramosh) <i>E.—</i> <i>Shabtot</i>	9	40	Very rough road, 3 bad cliffs to cross impassable for ponies. Road very bad over rock cliffs, ladders used in several places, one steep ascent and de- scent.	.....	Dach " Shabtot "	.....	S. and T. scarce, G. F. W. plentiful.	Jhula bridge over Indus river 260ft. span.
4	Borungdoi	8	48 50 53	Hard work, steep ascent and descent of 4,000 and 5,000 feet.	Shingos spur of Haramosh south peak.	Borungdoi " Hot springs " "	 10500.	S. and T. nil, G. F. scarce, W. available.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
LVIII 5	<i>ROUTE—contd.</i>	...	53 ...	Half march good and half march bad along the face of cliffs.	.....	Gorosi nala	.....	S. and T. very scanty, G. F. W. plentiful.	Hamlet opposite Sapsar on left bank Indus.
	Shingos	11 ...	59 ...		...	.....	.....	S. and T. very scanty.	
	<i>Bulchu E.—</i>	...	68 ...		.....	.....	.....	S. and T. nil, F. G. W. available.	
6	Shutroon	13 ...	72 ...	Road fair with exception of 3 bad cliffs.	.....	Stak bridge	.....	S. F. G. W. and T. plentiful.	Village and fort opposite Fulehurch on left bank Indus.
7	Stak E.—	6 ...	78 ...						

Between Gilgit and Stak there are no supplies and no transport, grass and wood fuel are scarce.

From Stak there is a loop route N. E. up the Stak valley, passing several small villages to Kurchung 86 miles, over Stak La 98 miles, crossing a small glacier, and S. E. down the Tormik valley by Dunsah 104 miles, Hurimul 113 miles, Kashipa or Buzgan 116 miles, to Dusu 120 miles, on right bank of the Indus river.

From Hurimul a path goes westwards over the Ganto La 15, 110 feet 119 miles, and down the Boltoro Loomba to Chutruu hot springs 116 mile, on the right bank of the Basha river.

From Buzgan 3 miles below Hurimul, in the Tormik valley, another path westwards crosses the Munbuk pass and goes down the southern slope of the Bokdar spur to the junction of the Basha and Braldu rivers 8,227 feet, which united form the Shigar river.

The regular route down the Indus valley on right bank continues from Stak as under :

8	Steriko E.—	10 ...	88 ...	Better road fit for riding ponies, though cliff crossings prevent use of laden ponies.	Up Indus valley right bank.			S. F. G. W. and T. plentiful.	Village.
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9	Twar E.—	...	...	94	...	Road good with exception of 3 cliffs.			Ditto	Large village— Jhula 110 ft. span over Indus to Rundu (Mendi) on left bank. Village at mouth of Tormik valley.
10	Dusu E.— Bucha	...	10	104 106 108	...	Road fair	 Cross spur.	Tormik bridge. Hontara "	S. and T. scarce, F. G. W. plentiful.	
11	Tungus	...	9	113	...	Ditto	.....	Tungus nala	S. F. T. scarce, G. W. plentiful.	Hamlet.
12	Tsarri	...	10	123	...	Ditto	.....	.....	S. and T. scarce, F. G. W. plentiful.	Ditto.
13	Komra E.— Khergron	...	9	132 138	...	Road good and level over wide sandy plain.	Indus valley widens out. .....	.....	S. F. G. W. and T. plentiful.	Large village.
14	Skardu P. O., T. O., C., E.—	...	12	144	...	.....	Cross to left bank.	Indus ferry	S. F. G. W. and T. abundant.	Capital of Baltis- tan. Cluster of villages, fort, tehsil, thara, head- quarters of Wazir.

For the road onwards from Skardu to Srinagar, see Routes :

XLIX by Deosai plains and Garais 158 miles 4 furlongs, open only from July to September inclusive—Total 299½ miles,

L by Dras and Sindh valleys 233 miles, open from June to November inclusive. Total 374 miles.

The route Gilgit to Skardu is open to footmen all the year, except when the rivers are in flood—Travellers had better take all their provisions and supplies through from Gilgit or Skardu, and through transport also, changing a few coolies only on the road.

From Sasil Haramosh, after crossing the Indus rope bridge, there is a difficult path down left bank by Sinjak Brangsa 12 miles, to Bunji 12 miles.

Total 24 miles.

From Sapsar on left bank of the Indus opposite Bulchu 68 miles, a path goes southwards over the Lokam pass of the dividing range and descends down the Dichil nala to the Astor river opposite Dashkin at 163½ miles of Route XLVIII.

From Fulchur on left bank of the Indus opposite Stak 78 miles, a track ascends the Pimdas nala southwards to Silter which joins the foregoing path at the northern foot of the Lokam pass.

From Rundu (Mendi) on the left bank of the Trongo Pir and Hurpo La of the dividing range, which uniting again in the Parishing valley, continues it forks out by two paths over the Trongo Pir and Hurpo La of the dividing range, which uniting again in the Parishing valley, continues westwards to Astor, see Route XLVIIIe and foot-note.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LIX GILGIT to JAMMU by KISHENGUNGA VALLEY and KOTLI, 434 miles—See Route X.									
LX GILGIT to RAWUL PINDI by BARAI PASS and MOZUFFERABAD—Map. Weightman.									
1	Gilgit or Gilit ... P. O., T. O., E.— Minawar B. E.—	9 ...	0 ...	Made road towards Srinagar as far as Ramghat, bridged and passable throughout for laden animals.	Down Gilgit valley right bank.	.....	4890 } 5025 }	S. F. G. T. moderate, W. plentiful.	Military Cantonment, fort, town, bazar, residence of Political Agent, head-quarters of province.
2	Safed Pari B. E.— Pertab pul C.	10 ...	9 ...	Ascent and descent of easy gradient.	.....	.....	4000	S. and T. nil, F. W. available, G. scarce.	Small village.
3	Bawanji or Bunji P. O., T. O., B E— Ramghat	17 ...	29 ...	.....	Down Indus valley left bank.	Indus bridge wire rope suspension 339 ft. span.	3850 4631	Ditto S. G. W. and T. moderate, F. scarce.	Serai on left bank Indus. Fort and bazar.
		... 43	4	Hence turn westwards from Sri-	.....	Astor bridge.	3700	.....	Military post.

4	Leechar	...	13	...	49	...	nagar road down left bank Indus valley. The hill slopes along base of Hatu Pir between Ramghat and Jaliper are exposed to shale slides; 6 feet road recently opened out and bridged to Bag-torah.	.....	Leechar "	.....	S. and T. nil, F. G. scarce, W. from river.	Site of great mountain slip from Hatu Pir into Indus in 1841, which blocked the river.
5	Jaliper	...	14	...	63 67 69	...	.....	.....	Jaliper Ganalo Gonar	...	Ditto	Halting place.
6	Bagtogah <i>E.—</i> <i>Diamirai</i>	...	15	..	78	...	Turn southwards and ascend Bunar valley by a rough and stony path.	Up Bunar valley.	Bunar "	.....	Ditto	Opposite Ges on right bank Indus.
7	Bunar <i>E.—</i>	...	...	...	86	...	.....	.....	.....	.....	S. F. G. W. and T. moderate.	Fort and village.
8	Paloi	...	11	...	101	...	.....	.....	.....	.....	S. and T. scanty, F. G. W. available.	Hamlet.
9	Bunar Dumel	...	12	...	113	..	Very rough path on ascent and descent from pass — steep on both sides.	.....	.....	.....	S. and T. nil, F. scanty, G. W. available.	North foot of pass.
10	Kalan <i>Mori</i>	...	18	...	131	...	.....	.....	.....	.....	Ditto	South foot of pass.
11	Dumel Pain <i>E.—</i>	...	12	...	143	...	Join the Astor and Kishengunga road, passable for laden animals.	Down Khel valley.	.....	7300	S. and T. nil, F. G. W. plentiful.	Hamlet.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LX	<i>ROUTE—contd.</i>	...	143 ...						
12	Khel <i>E.—</i>	8 ...	151 ...	Between Khel and Shardi, 13 miles of the road are difficult for laden ponies.	Down Kishengunga valley right bank.	.....	6250	S. and T. scanty, F. G. W. plentiful.	Village.
13	Seri <i>E.—</i>	8 ...	159 ...	.....	.....	.....	6000	S. T. nil, F. G. W. plentiful.	Small village.
14	Shardi or Kurigam <i>P. O., E.—</i>	9 ...	168 ...	Road chiefly through fields with many ups and downs over spurs.	... ..	Kishengunga bridge. Kurigam "	5850	S. and T. available, F. G. W. plentiful.	Shardi fort on left bank, Kurigam on right bank.
15	Dudnial <i>E.—</i>	9 ...	177 ...	Difficult path over precipitous cliffs.	.....	Kishengunga bridge.	5950	Ditto, T. nil. ...	Hamlet.
	<i>Changa</i>	... ..	179 ...	.....	.....	Badore "			
16	Doarian <i>E.—</i>	7 ...	184 ...	Road rough and stony, partly through fields, forest and grassy slopes.	.....	.....	5050	S. F. G. W. and T. available.	Small village.
	<i>Tali Lohat</i>	... ..	185 ... 189 ... 191 ...		.....	Seri Oolari " Babunka Katta bridge.			

17	Karen <i>P. O., E.—</i> <i>Lalla</i>	...	8	...	192	...	Road fair and level through forest and fields.	.....	Kishengunga bridge.	4650	S. F. G. W. and T. plentiful.	Karen fort on left bank, large vil- lage in Drawar.
18	Shahkot <i>Salkalla on left bank</i> <i>Doorul</i>	...	9	...	198	...	Road rough and stony, and crosses several high spurs and the Jagran valley.	... ..	Katta "	4300	S. and T. nil, G. F. W. available.	Small village.
19	Jora <i>Baran</i>	...	10	...	201	...	Road rough and stony to Jora and thence ascends spur.	... ..	Kishengunga bridge.	.....	Ditto	Village.
20	Chowgali	...	11	...	202	...	Road steeply through rocky gorge and along mountain side over spurs.	... ..	Jagran "	3700	....	Large village.
21	Balagran <i>E. small—</i> <i>Jing</i>	...	8	...	211	...	Road chiefly through fields.	... ..	.....	6000	S. and T. nil, F. G. W. available.	Dok.
22	Pala <i>E.—</i> <i>Mundabal</i>	...	...	...	216	...	...	... ..	Urshi bridge	.....	S. and T. moderate, F. G. W. available.	Village.
23	Kuri <i>P. O., E.—</i>	...	7	...	222	...	Ditto	... ..	.....	.....	S. F. G. W. and T. plentiful.	Large village.
		...	...	...	230	...	...	... ..	Pakot "	.....	... ..	Village.
		...	...	...	234	...	...	... ..	Shalam "	.....	Ditto	Small town.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LX	<i>ROUTE—contd.</i>								
24	Mozufferabad ... <i>P. O., C., E.—</i>	...	245 ...	...	.....	Kishengunga bridge.	2470	S. F. G. and W. plentiful, T. moderate.	Town and bazar, fort and headquarters of zillah.
	<i>Dumel</i> ... <i>P. O., T. O., D. B., E.</i>	...	254 ...	Join cart-road, bridged and metalled from Srinagar to Rawul Pindi; open all the year except when there is heavy snow at Murree in January and February.	Down Jhelum valley left bank.	Jhelum bridge.	2225.		
25	Dulai ... <i>D. B., E. confined—</i>	11 ...	265 ...	.....	.....	.....	2105	S. F. G. W. procurable, T. after notice.	Hamlet.
26	Kohala (<i>Kashmir border</i>) ... <i>P. O., T. O., D. B., E. small—</i>	12 ...	277 ...	.....	Cross to right bank.	Jhelum bridge.	1916	Ditto	Small bazar and customs post.
28	Murree (Sunny Bank) ... <i>P. O., T. O., Hotels, C., E.—</i>	27 ...	304 ...	Road bridged and metalled, regular tonga service.	Kuldanha	.....	6600	S. F. G. T. ample, W. from new supply.	Murree, headquarters of Lieutenant-General Commanding Punjab Army. Civil and Military Sanitarium, town and large bazar.

31	Rawul Pindi <i>P. O., T. O., Hotels, D. B, C., E.—</i>	36	6	341	2				1700	S. F. G. W. and T. abundant.	Large Military Cantonment and Civil Station, fort, city, head-quar- ters of district and division, and station on North- Western Railway.
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For description of route between Kohala and Rawul Pindi see Route XLII, marches 10 to 15.

From Shahkot 201 miles, or Dooral 205 miles, there is a shorter route to Pala by the Sarango or Sirsunga pass, up Jagran valley westwards to Kuttun 209 miles, southwards up ravine over the Sirsunga pass, to Jabbian Dok 217 miles, descending Urshi valley south westwards to Panjoor 226 miles, and to Pala 232 miles.

There are several cross routes over the dividing range between the Kishengunga and Khagan valleys, those chiefly used by traders are :—

From Kurigam or Doarian by Ratti gali to Burawai.
 From Tali Lohat up Oolari valley by Jotari pass to Burawai.
 From Karen up Babunka katta valley by Nagdera over Chirik gali, across Jagran valley and over Shikara gali to Manur.
 From Shahkot or Dooral up the Jagran valley by the Tor gali to Batta kund.
 Ditto ditto by the Shikara pass to Manur.
 Ditto ditto by the Bichla pass to Manur.
 From Mundabal up the Pakot valley by the Bhadri gali to Bhunja.
 From Kuri up the Shalam valley by Rajkot and Makra gali to Ghanul.
 Ditto ditto by Nur gali to Balakot.
 Ditto ditto by Galoti gali to Balakot, well frequented.
 From Mozufferabad by Doob gali to Garhi Habibulla, regular road, 10 miles.
 Ditto by Lohar gali to ditto 12 miles, well frequented.

LXI GILGIT to HASSAN ABDAL or KALAKE SERAI by KHAGAN VALLEY and ABBOTTABAD—*Farre, Anderson.*

Between Gilgit and Chillas in a line due south are two high ranges of mountains over 15,000 feet high, with an intervening valley, the Sai or Burbunai (which flows into the Indus at Sai a short distance above Bunji) and beyond the Indus river without bridge or ferry to cross. Difficult paths lead from Gilgit across the first range to Paiot 11,400 feet and Gashu 8,400 feet on the Sai river; thence across the second range from Paiot over the Kinejit pass 14,000 feet down the Hodar valley by Hodar to the Indus, and over Bariben pass down the Khinar valley by Totambai, Dusi to Thalpen on right bank of the Indus opposite Chillas; or from Gashu by the Malpat or Mtere passes, and down the valley of the same name to Ges, on right bank of the Indus, opposite Bunar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
The ordinary road from Gilgit by Bunji to Chilas should be followed as under :—									
1	Gilgit <i>P. O., T. O., E.—</i>	...	0 ...	Made road towards Srinagar as far as Ramghat, bridged and passable throughout for laden animals.	Down Gilgit valley right bank.	.....	4890 } 5025 }	S. F. G. T. moderate, W. plentiful.	Military Cantonment, fort, town, bazar, residence of Political Agent, head-quarters of province. Small village.
2	Minawar <i>B., E.—</i>	9 ...	9 ...	.....	... ..	.....	4000	S. and T. nil, F. W. available, G. scarce.	
3	Safed Pari <i>B., E.—</i>	10 ...	19 ...	Ascent and descent of easy gradient.	.....	.....	.....	S. F. G. T. nil, W. from river.	Cliff.
	<i>Pertabpul C.</i>	...	29 ...	.....	Down Indus valley left bank.	Indus bridge steel wire rope.	3850	Ditto	Serai on left bank Indus.
3	Bunji <i>P. O., T. O., B., E.—</i>	17 ...	36 ...	.....	.....	.....	4631	S. G. W. and T. moderate, F. scarce.	Fort and bazar.
	<i>Ramghat</i>	...	43 ...	Hence turn westwards down Indus valley, left bank to Chilas, 6 feet road made and mostly	.....	Astor bridge	3700	.....	Military post.
4	Leechar	13 ...	49 ...	.....	.....	Leechar "	.....	S. and T. nil, F. G. scarce, W. from river.	Site of great mountain slip from Hatu Pir into Indus river in
		...	51 ...	.....	.....	Raikheot "			

5	Jaliper	...	14	...	52	...	bridged. Hill slopes below Hatu Pir exposed to shale slides.	.....	Phungatori "	.....	Ditto	1841 which blocked up the river. Halting place.
		...		...	63	...	Rest of road fairly easy.	.....	Jaliper "	.....		
		...		...	67	...		.....	Ganalo "	.....		
		...		...	69	...	.....	.....	Gonar "	.....		
6	Bagtogah <i>E.—</i>	...	15	...	78	...	.....	.....	Bunar "	.....	Ditto	Opposite Ges on right bank Indus.
		...		...	88	...	.....	.....	Khanogah "	.....		
7	Chilas <i>P. O., B., E.—</i>	...	13	...	91	...	Hence turn southwards and ascend Khanogah valley to Bastia and up western Thak ravine to Babusar.	Up Khanogah valley.	.....	.....	S. T. W. moderate, F. G. scarce.	Fort, small cantonment, village and bazar.
	<i>Dassa Singal Basha</i>	...	...	...	95	...		.....				
		...	...	...	97	...		.....				
		...	...	...	99	...		.....				
		...	...	...	101	...		.....	Niat bridge.			
8	Thak <i>E.—</i>	...	14	...	105	...	Good road of easy gradient. Eastern Niat ravine leads to Kanakduri pass 15,000 feet and down to Kishengunga valley at Shardi.	.....	Thak "	.....	S. F. G. W. and T. moderate.	Village and fort on summit of high rock.
		...		...		...		.. ..	crossed 4 times by bridges.	.....	S. and T. nil, F. G. W. plentiful.	Hamlet.
9	Babusar <i>E.—</i>	...	8	...	113	...						
		...		...		...	Ascent and descent of pass steep over easy ground.	Babusar pass down Khanogah valley.	.....	13500		
10	Gittidas	...	6	4	119	4	.....	.....	Gittidas-ka katta.	12100	Ditto F. Juniper.	Halting place.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
LXI	<i>ROUTE—contd.</i>	...	...						
	<i>Lahuser Lake</i>	...	...	Road recently re-made, passable throughout for pack animals, cliff passages improved and some bridges provided.	Down Gittidas ravine to Lake along left bank, thence down Kunhar or Nainsook river, crossing to right bank at Batsul and left bank at Burawai, and keeping along the left bank to Narang, whence good road along either bank to Khagan.	Kunhar ford	11700	.....	Bridge will be built.
11	Basul <i>E.—</i>	10	...			.....	11000	S. and T. nil, F. G. W. plentiful.	Halting place.
	<i>Kotawai</i>	...	...			.....	.....	.....	Junction of Purbi-dia-ka-katta.
	<i>Seri</i>	...	...			.....	.....	.....	Ditto Julkhud-ka-katta.
12	Buawai	11	6	.....		Kunhar bridge	9330	Ditto	Ditto Jora-katta.
13	Bhatta Kundi	8	2	Between Bhatta Kundi and Narang are some difficult cliffs.		Bhatta Kundi	...	Ditto	Junction of Bhatta Kundi-ka-khatta.
	<i>Sakoch on right bank</i>	...	...			.....	.....	.....	Sapal pass road from Yaghistan.
	<i>Saiful Malik Lake 4½ miles east.</i>	...	...	.....		Saiful Malik Lake.	11600	.....	Up rocky gorge east.
14	Narang	9	4	Between Narang and Khagan good road along either bank.		Kunhar bridge.	8275	S. F. G. W. and T. plentiful.	Highest village in Khagan valley.
15	Khagan	14	4	Food difficult in places.	Then along left bank to	Ditto	6800	S. and T. scanty, F. G. W. plentiful.	Food depot for Gujar herdsmen. Village on left bank.

16.	<i>Dagan Bela</i> Manaur <i>B.—</i> <i>Bichla 3 miles up nala.</i> <i>Jared</i>	...	...	10	...	178	4	.....	Jared and Kawai to Balakot, where cross over to right bank.	Nainsook gorge. Bichla bridge.	 5135	 Ditto Ditto	Site of great battle in which Sikh Army was annihi- lated by mountain tribes. Village on left bank.
17	Kawni <i>B.—</i> <i>Ghanul 2 miles up nala</i>	...	14	4	198	...	...	Between Bhunja nala and Paras are some danger- ous cliffs, where loads should be taken off animals and carried by men.	.....	Bhunja bridge	5025	S. and T. moderate, F. G. W. plentiful.	Small village.
18	Balakot <i>B. E.—</i> <i>Bisyan</i>	...	13	...	211	...	...	Road fair, several steep ascents and descents, narrow in places. Road good and easy over pass. From Bisyan, the road continues down the valley to Garhi Habib- ulla 232 m. 3 fg. D. B. and joins the Kashmir road.	 Dun gali	Kunhar	3700	S. F. G. W. and T. plentiful.	Small town and thana on right bank. Pass of easy gra- dient on both ap- proaches. Small village.
19	Jaba <i>B.—</i>	...	11	...	222	...	...	Joins the earthen and bridged cart- road to Abbotta- bad.	.....	Bhatti bridge	3540	S. F. G. W. and T. plentiful.	Large village and tehsil.
20	Mansera <i>P. O., D. B., C., E.—</i>	...	13	...	235	...	...	Good road metalled and bridged, ex- cepting large rivers.	.....	.....	4005	S. F. G. W. and T. ample.	Military Canton- ment, Civil Sta- tion, town, head- quarters of dis- trict Hazara.
21	Abbotabad <i>P. O., T. O., D. B., C. E.</i> <i>Sultanpur</i> <i>Chamba B. C., E.</i>	...	...	...	259	4	...	...	.....	Dor ford	2700	S. F. G. after notice, W. from well, T. nil.	Halting place.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
LXI 22	<i>ROUTE—contd.</i>	...	4	Tonga service to Hassan Abdal. ..... .....	.....	.....	1730	S. F. G. W. and T. plentiful.	Town, bazar, tehsil.
	Haripur	23	261		.....	.....	.....	S. F. G. after notice, W. from well, T. nil.	Halting place.
	<i>P. O., T. O., B. B., C., E.</i>	...	274		.....	.....	1600.	S. F. G. T. after notice, W. from well.	Small town and Station on N. W. Railway.
	<i>Huttar</i>	...	287		.....	.....	1690	S. F. G. W. and T. available.	Ditto.
23	Kalake Serai	21	295	.....	.....	.....	1400		
	<i>P. O., T. O., D. B., or Hassan Abdal</i>	19	293	.....	.....	.....			
	<i>P. O., T. O., D. B., 1½ miles distant from Railway Station.</i>								

Lay in supplies at Gilgit, Bunji, Chilas and Balakot—

From Chilas there is another more westerly route up the Botogah valley by Mati Shing and Philiat, and up the Philiat ravine over the Botogah pass to the Gittidas Creek and Lalusar Lake—about 6 miles longer than the Babusar route.

From the Kaghan valley there are several tracks over the dividing range or Kashmir border into the Kishengunga valley, those best known are:—
From Kotawai, up the Purbidia-ka-katta over the Siral gali and down this ravine into the Kankatori valley to Shardi on the Kishengunga.

From Seri, up the Julkhud-ka-katta over the Nari Nar pass and down this ravine to Surgan in the Kankatori valley.

From Burawai, a good path up the Jora-katta over the Chantari or Ratti gali and down the Oolari valley either to Kurigam or Doarian on the Kishengunga.

From Bhatia Kundi up this nala over the Tor gali into the Jagran valley and Drawar.

From Manaur are paths up this nala and its branches over the Shikara and Bichla passes into the Jagran valley and Drawar.

rom Bhunja is a rough path over the Bhadri gali to Pala and Kuri.

rom Ghanul another rough path over the Makra gali and down the Shalan valley to Kuri.

rom Balakot is a road much used by traders over the Galoti gali into the Shalam valley to Kuri on the Kishengunga.

Balakot down Khagan valley by Bisyan to Garhi Habibulla is 12½ miles.

LXII GILGIT to DAREL.—Map.

	Gilgit	...	...	0 ...	Good road to Naupur, where it turns westwards up the Kergah valley to its source. Very rough track to Jut.	.....	.....	4890 } 5025 }	S. F. G. T. moderate, W. plentiful.	Military Cantonment, fort, town, bazar, residence of Political Agent, capital of province. Small village.
	<i>Naupur</i>	...	...	3 ... 4 ...	Up Kergah valley.	 Shuku ford. Singaigah "	.....	.....	.....	
1	Jut	...	16 ...	16 ... 18 ... 23 ... 26 4 30 ... 34 ...	Fair road through beautiful country with green sward and pine forests to the head of the valley, where vegetation ceases, and the rugged hill sides are covered with piles of splintered rock.	..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... .....	8900	S. and T. nil, F. G. W. plentiful.	Halting place.
2	<i>Shaimuse Harai</i>	...	...	...						
	Maja Mazne	...	7 ...	...					Ditto	Ditto.
	<i>Dati Harai</i>	...	...	...						
3	Takorbas	...	7 ...	...	Chonchar pass, across Khan bari valley.	..... ..... .....	..... ..... .....	..... 14,000.	Ditto	Ditto.
4	Kalichunji	...	8 ...	38 ... 46 ...	Kuli pass, down Barigah glen. Down Darel valley.	..... .....	Khanbari ford	.....	Ditto F. scarce.	Ditto.
5	Yahchot	...	16 ...	54 ... 59 ... 63 ...	Rough road, difficult in places.		.....	.....	S. F. G. W. and T. moderate.	Small village and fort.
	<i>Mankial</i> <i>Budankot</i>	...	...	...						

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXII	<i>ROUTE—contd.</i>	...	63 ..						
6	Samakial or Dudokot	13 ..	67 ..	.....	.....	.....	.....	S. F. G. W and T. moderate.	Fort and chief place in Darel.
	<i>Phogaj</i>	... ..	70 ..						
	<i>Gairah</i>	... ..	73 ..	.....	.....	.....	.. ...	Ditto	Village.
7	Indus river	9 ...	76 ...	Right bank of Indus river.					

From Kalichunji 38 miles, there is a rough path down the Khanbari valley to the Indus river. In this valley are said to be minerals, which were once worked, hence the name.

There is another track to Darel from Singal at mile 32 of Route LXIII, which turns southwards up the Singal valley and the Patara ravine over the Dodar gali to Yahchot, in length about 40 miles from Singal.

LXIII GILGIT to CHITRAL by MASTUJ—*Reynon.*

Gilgit or Gilit	...	...	0 ..	Six feet made road from Gilgit to Gupis, open throughout the year and passable for pack animals.	Up Gilgit valley right bank.	.....	4890 } 5025 }	S. F. G. and T. moderate, W. plentiful.	Military Cantonment, fort, town, bazar, residence of Political Agent, and capital of province.
<i>P. O., T. O., C. E.—</i>	...	...	3 ...		.....	Kergah bridge			
<i>Naupur</i>	...	...	9 ...		.....	Heltar "	5150.		
<i>Hinal</i>	...	...							

1	Sharot <i>E.—</i>	...	18	...	18	...	It crosses fans of alluvial soil at the mouths of streams where small villages are situated with orchards, gardens and cultivation around.	.....	.....	6000	Ditto	Small village.
	<i>Shikaiot</i>	...	...	...	19	...		.....	Shikaiot "			
	<i>Gulapur</i>	...	...	...	21	...		.....	Yasin rope bridge.			Fort and capital of Puniat.
	<i>Cherkala on left bank</i>	...	...	...	23	...		.....		.....		
					25	...	.....	Called Yasin valley upwards.	Dalmati "	5800.		
2	Singal <i>E.—</i>	...	14	..	32	..	.....	.....	Singal "	6200	S. and T. nil, G. F. W. procurable.	Small village and fort.
	<i>Gulmati</i>	...	...	...	35	...	.....	.....	Gulmati "			
	<i>Gurjar</i>	...	...	...	38	...						
3	Gakuch <i>E. below village at 6,600 feet.</i>	...	10	...	42	...	Between such it crosses hill spurs varying in ascent and descent.	.....	.....	7170	S.F.G.W. procurable, T. moderate.	Ditto.
	<i>Aish</i>	..	...	...	44	..	.....	.....	.....			Junction of Ishkoman and Yasin rivers.
	<i>Hopar</i>	...	...	..	47	..		.....				
		...	...	..	51	..		.....				
4	Sumar <i>E.—</i>	...	13	...	55	..	.....	...	Yangan " Strogah bed.	.....	S. G. T. nil, F. W. procurable.	
	<i>Roshan</i>	...	...	...	62	..	.....	.....				
		...	...	...	63	..	.....	..	Roshan bridge.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
XLIII	<i>ROUTE—contd.</i>	...	...						
5	Gupis <i>E.—</i>	...	63 ...	From Gupis country road improved and rendered passable for laden animals to Chitral.	Called Ghizar valley upwards.	 Inijarot bed. Khogah "	7400	S. G. F. W. procurable, T. moderate.	Small village and fort at junction of Ghizar and Wureshigan rivers.
6	Dahimal	17 ...	85 ...	.....	.....	Dahimal rope bridge. Kachun bridge	8200	S. G. T. nil, F. W. procurable.	Small village.
7	Pingal <i>E.—</i> <i>Darband</i>	10 ...	95 ...	 Bad pari & gallery Road from Pingal to Gasht always bad from snow between 15th December and 15th March; and the Shandur pass is usually closed for one month during this period.	 Up Ghizar valley right bank.	Sozat "	9600	S. and T. nil, F. G. W. procurable.	Small village.
8	Chashi	10 ...	105 ...		.. ...	Chashi bridge and ford. Bandar Lake	9800	Ditto	Ditto.
9	Ghizar <i>E.—</i>	13 ...	114 4	.....	Cross to left bank.	Ghizar bridge. Teru ford. Chukhabut bridge.	10000	S. F. G. W. and T. moderate.	Ditto and fort.

10	Langar	...	15	...	127	...	.....	.....	.....	.....	.....	Alternative route over high pass to Mastuj. Jungle.
					133	...	Easy ascent to pass	.....	.....	.....	S. and T. nil, F. G. W. procurable.	
					138	..	Pass, long maidan of 3 miles and sharp descent.	Shandur pass down Woghtur ravine.	Shandur Lake	12,000.		
11	Laspur	...	10	...	143	...	.....	Down Lashpur valley.	.....	9800	Ditto	Hamlet.
					144	..	.....	.....	Laspur bridge.			
					147	...	.....	.....	Harchin bed.			
	<i>Rakman</i>	...	...	..	150	...	.....	.....	.....	.....	.. ..	Path across hills and down Goland Gol to Chitral.
12	Gasht	...	9	...	152	...	Road over large fan scored by several nalas with steep and narrow ramps.	.....	.....	9000	Ditto	
	<i>Chokahvat</i>	...	...	...	155	...		.....	.....	.....	.....	First battle fought by Colonel Kelley with Pioneer Regiment and Kashmir Service troops against Chitrali force.
					159	...	.....	.....	Laspur bridge.			Fort and capital of Kushwakt.
13	Mastuj <i>P. O., F.—</i>	...	11	...	163	...	Road fair	Down Yarkhun valley right bank.	Yarkhun "	7760	S. F. G. W. and T. procurable.	
	<i>Nisa Gol</i>	...			169	...	.....	.....	...	.....	.....	Second battle fought and defeat of Chitralis. Village.
14	Sanoghar	...	9	...	172	...	Road good	Cross to left bank.	Yarkhun "	7600	S. and T. nil, F. G. W. procurable.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL m. f.						
LXIII 15	<i>ROUTE—contd.</i>	...	...	Road good except- ing short pari opposite junction of Mulkho river and some bad places in Koragh defile. Road bad and narrow over stone shoots and <i>débris</i> . Road fair	 Called Chitral river.	..... .....	6900	S. and T. nil, F. G. W. procurable.	Village. Junction of Turik- ho and Yarkhun rivers.
	Buni	...	172 ...						
	<i>Koragh defile</i>	11 ...	183 ...						
16	Reshun	...	190 ...	Road very bad and narrow especially 224 and 225 miles through narrow gorge with preci- pitous sides over kutchha galleries.	.....	Reshun nala	6500	Ditto	Small village.
17	Barnas <i>E.—</i>	12 ...	193 ...		Cross spur	.....	7200	Ditto	Ditto.
18	Koghazi	8 ...	203 .		.....	Barnas nala	6100	Ditto	Ditto.
19	Chitral <i>P.O., T.O., E.—</i>	13 ...	215 ...	Cross to right bank Chitral river.	.....	Guland Gol.	5500	Ditto	Fort and capital of Kashkar. Resid- ence of Mehter of Chitral
		...	216 ...		.....	.....	4980	S. F. G. W. and T. procurable.	
		12 4	227		.....	Chitral bridge.			
		12 4	228						

From Chhakala opposite 23 miles on left bank of Gilgit or Yasin River, a track goes up this side by Babur 36 miles, junction of Ishkoman river 47 miles 6,600 feet, and up the Ishkoman valley by Chatorkand 63 miles, limit 78 miles 8,200 feet, Gazkul or Karambar Lake and Ishkoman pass either to Lar-gur or to Sarhal in Wakhan 133 miles. There are formidable glaciers on this route, which commence at 13½ miles from limit and are passable only in winter when snow fills the crevasses. The Lake is about 2 miles long at the head of 2 valleys, Ishkoman southwards and Yarkhun south westwards. It is about 35 miles from limit and about 25 miles from Sarhad across undulating ground covered with grass in summer. From Laspur 143 miles, there is a path southwards over the Tal pass and down the Panjkora valley by Tal and Shiringal to Dir.

LXIII. GUPIS to SARHAD in WAKHAN by YASIN and the DARKOT and BAROGHIL PASSES—*Littledale.*

5	Gupis <i>E.—</i>	...	...	68 ... 4	Rough road throughout, but passable for laden animals.	Up Wurshigan valley along left bank to 78 miles where cross to left bank.	 Yasin bridge. Wurshigan bridge.	7400	S. F. G. W. procurable, T. moderate.	Small village and fort.
	<i>Gendai fort</i>	...	...	75 4 78 ..						
6	Yasin <i>E.—</i>	...	15 ...	83 ...	... ..	.....	.....	7765	S. F. G. W. and T. available.	Small town.
	<i>Barnas</i>	...	...	85 ... 90 ...	General direction northwards.	.....	Ditto.			
7	Mir Wali's fort <i>E.—</i>	...	8 ...	91 ...	... ..	.....	.....	... ..	Ditto	Fort.
	<i>Amchat</i>	...	...	95 ... 98 ..	.....	Cross to left bank.	Ditto.			
8	Darkot <i>E.—</i>	...	15 ...	106 ...	.....	.....	.....	9160	S. F. G. W. and T. moderate.	Village.
9	Camp <i>at southern foot of pass</i>	...	10 ...	116 ... 122 ...	Steep ascent and descent across snow field and glacier with many crevasses.	 Darkot pass	.....	11050 15000	S. and T. nil, F. G. W. procurable.	Halting place. Closed until June.
10	Safer Bek <i>E.—</i>	...	15 ...	131 ...	Join road from Mastuj in Yarkhun valley.	Across head of Yarkhun valley.	Yarkhun ford	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXIIIa ROUTE—contd.									
11	Zerkhar	...	131 ... 137 ...	Notable depression in Hindu Kush range 2 miles wide; easy access on both sides. Deep snow in December, January and February.	Baroghil pass	.....	12460	 S. and T. nil, F. G. W. procurable.	Hindu Kush range. Hamlet.
12	Sarhad E.—	...	15 ... 7 .. 153 ...		.....	.....	10450	S. F. G. W. and T. available.	Large village.

From Barmas 90 miles, a rough path westwards by Nalti over the Tui or Moshabar pass 14,700 ft. to Kila Darband in Yarkhun valley 3 marches.
From Darkot 103 miles, a difficult path eastwards over dividing range by Ishkoman to Imit in the Ishkoman valley 3 marches.

LXIIIb MASTUJ to SARHAD in WAKHAN by BAROGHIL PASS—(Approximate) R. G. S. Journal, Robertson's Map.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
13	Mastuj <i>P. O., E.— Chapri</i>	..	163 ..	Rough track northwards passable for laden animals, though difficult in places.	Up Yarkhun valley.	.....	7760	S. F. G. W. and T. procurable.	Fort and capital of Kushwakt.
14	Brep	..	169 ..		.....	.....	.....	S. and T. nil, F. G. scanty, W. plentiful.	Village.
15	Miragram	13 ..	176 ..		.....	.....	.. ..	Ditto	Ditto.
17	Kila Darband <i>E.—</i>	10 ..	186 ..	Eastern track from Yasin by Tui pass and Gazan joins here.	.....	.....	.....	S. F. G. W. and T. moderate.	Village and fort.
		14 ..	200 ..		.....	.....	.....		

	Topkhana Ziabeg	10 ...	210 ...	.....	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable. Ditto	Halting place. Ditto.
19	Safer Bek <i>E.—</i> <i>Chitral and Badakshan Frontier.</i>	22 ...	232 ...	...	Ascent to summit 3 miles gentle gradient, plateau 5 miles called Dasht-i-Binghil rich pasturage, descent 3 miles gentle slope and stage 3 miles beyond — Dasht is 2 to 4 miles wide covered by deep snow in December, January and February.	.....	.....	.....	Ditto	
20	Zerkhar or Pirkhar	14 ...	247 ...	...	Baroghil pass	.....	.....	12460	Ditto	Hindu Kush range
21	Sarhad in Wakhan <i>E.—</i>	7 ...	254 ...	...	.....	.....	Panj ford	10450	S. F. G. W. and T. available.	Large village.

At Sarhad the east and west road used in winter from Sarikol through Wakhan to Badakshan is joined. This starting from Tashkurgan, the capital of Sarikol, 10,250 feet, has the choice of two routes to Gombaz-i-Bozai. *Firstly*, southwards by Zerishtut 20 miles, Kurghan-i-Ujadbhai 30 miles, then westwards across the Tagdumbash Pamir by the Karachunkar pass 65 miles and descends to Gombaz-i-Bozai 110 miles. *Secondly*, westwards from Tashkurgan up rocky stream to Kanschub 12,980 feet 16 miles, up open valley to Nezataash pass, 14,915 feet 26 miles, descent to Kogachak 12,740 feet 36 miles, and Aktash (white stone) on Aksu river, 12,600 feet 41 miles; thence south-westwards up the Aksu valley through the Panir Khurd (Little) by Onkul 12,900 feet 65 miles, to Oikul or Gakul Lake 13,100 feet 90 miles, the source of the Aksu river, 3 miles long by $1\frac{1}{2}$ mile broad; thence descending the open Panj valley mostly along right bank to Gombaz-i-Bozai 12,530 feet 97 miles, where large stream joins in from the east Khajrui pass 16,150 feet, Langar 115 miles, over Laraz Dawan 10,780 feet through open gravelly plain to Sarhad 10,450 feet 140 miles, highest village in Wakhan. Travellers must take supplies for the through journey 8 marches either at Tashkurgan or Sarhad. In winter the Panj river is frozen over and can easily be crossed when required, in summer this river is in flood, and a higher route is taken over many spurs, involving much up and down. Grazing is plentiful and wood fuel procurable; the northern hill side being covered with juniper and birch trees.

From Sarhad 140 miles, westwards down Panj valley along either bank to Patuch or Patur, 10,350 feet 145 miles, large village and hot spring 160° Nist 150 miles, Delgolaman 160 miles, Yur 10,010 feet 163 miles, Vost 178 miles, Sas 183 miles, Zun 193 miles, at the junction of the river from the Victoria Lake 13,900 feet (which is the road used in summer through the Great Pamir from Kila-i-Panja to Kogachak on the Aksu river and Tashkurgan) Kila-i-Panja 9,050 feet 196 miles, the residence of the Chief of Wakhan.

From Kila-i-Panja down the Panj valley along the left bank south-westwards is Ishkashim fort, 8,560 feet 270 miles, whence the river Oxus or Ab-i-Panja turns northwards to Kila Wamur.

From Ishkashim, the main road continues westwards over a ridge to Zebak 290 miles, and down the Vardoj valley to Faizabad 3,500 feet 372 miles, the capital of Badakshan.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
LXIII. CHITRAL to NOWSHERA —(Approximate.) <i>Maps. Younghusband, Hamilton, Newman.</i>									
1	Chitral <i>P. O., T. O., E.—</i>	...	0 ...	Rough and stony bridle road, lately improved, from Chitral through to Malakund and passable for all laden animals.	Down Kunar valley left bank. 	 Shisht bridge.	4980 4500	S. F. G. W. and T. procurable. Ditto	Fort, bazar and capital of Kash Kar. Village and Mili- tary fort.
2	Ashreth <i>E.—</i>	13 ...	38 ...	.....	..... Lowarai pass	..... .....	6430 10450	S. and T. nil, F. G. W. procurable.	Village.
	<i>Gujar</i> <i>Mirga</i>	... ...	43 ... 50 ... 51 ...	Steep ascent and descent over the Lowarai pass.	 Down Paujkora valley left bank. .....	..... .....	8400 5650	S. F. G. W. and T. moderate.	Small town.
3	Dir <i>P. O., T. O., E.—</i>	22 ...	60 ...	.....	.....	.....	.....	S. F. G. W. and T. moderate.	Small town.
4	Chutiatur	7 ...	67 ...	.....	.....	Paujkora bridge. .....	.....	S. and T. nil, F. G. W. available. Ditto	Small village.
5	Darora or Gundi- gar.	13 ...	80 ...	.....	.....	.....	.....	Ditto	Ditto.

6	Robat	...	12	...	92	...	.....	Up Laram ravine. Laram pass .....	.....	.....	Ditto	Village.
7	Uch	...	10	...	98	...	Easy ascent and descent.	.....	.....	5500	Ditto	Ditto.
	<i>Serai</i>	...	...	...	102	...	.....	.....	.....	...	Ditto	Ditto.
8	Chukdara <i>P. O., T. O., E.— Khar</i>	...	12	...	107	...	.....	Across Swat valley.	.....	.....	S. F. G. W. and T. moderate.	Military fort.
		...	...	...	114	...	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Ditto.
9	Malakund <i>P. O., T. O., E.—</i>	...	14	...	122	...	Steep ascent and descent.	.....	.....	3500	Ditto	Village.
		...	...	...	128	...	.....	Malakund pass.	.....	.....	Ditto	Ditto.
10	Durgai <i>E.— Shahkot</i>	...	9	...	137	...	Cart-road bridged and metalled from Malakund to Nowshera.	.....	.....	.....	Ditto	Village.
		...	...	...	141	...	Tonga service opened.	.....	.....	.....	S. F. G. W. and T. moderate.	Large village.
11	Jalala <i>E.—</i>	...	14	...	151	...	.....	.....	Alongside Swat canal from Jalala to Hoti Mardan. Across Cabul valley.	.....	S. F. G. W. and T. plentiful.	Military Canton- ment and bazar.
12	Hoti Mardan <i>P. O., T. O., E.—</i>	...	13	...	164	...	.....	.....	Cabul boat bridge.	.....	Ditto	Small Town and Military Canton- ment. Station on N.-W. Railway.
13	Nowshera <i>P. O., T. O., E.—</i>	...	16	...	180	...	.....	.....	.....	.....	Ditto	Small Town and Military Canton- ment. Station on N.-W. Railway.

From Dir, 60 miles, there is another route westwards up the Baraul valley by Surbat 73 miles Baraul Banda, 3,340 feet 83 miles, Janbatai 85 miles, thence southwards over the Janbatai pass 9,000 feet 90 miles, to Kambat 97 miles, Munda Khan fort 108 miles, Miankalai 3,530 feet 109 miles; thence eastwards down the Ushiri valley and across the bridge over the Panjkora river to Sado 123 miles, Gambat 131 miles, and over the Katgola pass 134 miles, to Chukdara on the Swat river 145 miles.

From Baraul, there is another path southwards over the Kargosar pass 8,340 feet by Gawargat and Shazadgai to Robat on the Panjkora river. From Robat 92 miles, the road continues down the Panjkora left bank to Sado 104 miles, and joins the above route to Chukdara 126 miles.

LXIII CHITRAL to FAIZABAD in BADAQSHAN—(Approximate) R. G. S. Journals. Maps. LXIII CHITRAL to KILA-I-PANJA.

BY DORA PASS 14,800 ft.				BY AGRAM PASS 16,112 ft. OR NUKSAN PASS 18,560 ft.				BY RICH OR OCHIL 18,400 ft. PASSES.			
19	Chitral 4,980 ft. <i>Shali at junction of Shogoth and Kunar rivers.</i>	...	228½ 234	...	Chitral 4,980 ft. <i>Chingur</i>	...	228½ 234	19	Chitral 4,980 ft.	...	228½
20	Shogoth 7,230 ft. <i>Up Lutka valley.</i>	...	245	16½	Shogoth 7,230 ft. <i>Up Arkari valley.</i> <i>Oles</i>	...	245	18	Koghazi <i>Guland Gol</i> <i>Mori</i>	...	216 215 211
21	Darosh	...	259	14	Shali	...	257	17	Barnas <i>Perpish Gol.</i>	...	203
22	Lutka, large village	...	275	16	Arkari <i>Darband</i>	...	263 268	18	Lun <i>Gurkir</i> <i>Jani</i>	...	213 215 221
23	Shah-i-Shalim <i>Hot spring Eastern foot.</i> <i>Dora Pass 14,800 ft.</i>	...	287	12	Agram	...	276	19	Kila Drasan 8,640 ft. <i>Up Turikho valley.</i>	...	225
24	Camp, Western foot, Sulphur Mine.	...	293	...	Agram Pass 16,112 ft.	...	277		Stari	...	233
25	Gazikistan	...	299	12	Daigul <i>Down Vardoj valley.</i>	...	300	20	Rain	...	241
26	Sanglich 9,300 ft. <i>Cross range.</i>	...	309	10	Zebak, small town 8,550 ft.	...	310	21	Ujnu	...	254
27		...	319	10	Kobak	...	326	22	Ruah <i>Rich or Janali Pass 16,700 ft.</i>	...	270 285
		...	339	20	Tirgaran	...	335	23	Kala Yust <i>On Ab-i-Panja left bank.</i>	...	300

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						

LXIV GILGIT TO YARKAND AND KASHGAR by HUNZA and SARIKOL—
(Approximate.) Map. Knight, Conway, Trotter, Cumberland, Dunmore.

Between Gilgit and Hunza, there are bridges over the Kanjut or Hunza river at Dainyor, near Nomal, beyond Gwech, 2 miles beyond Chalt below Gulmit, at Pisan, at Tushot, and at Samaya, also over the Nagar river below Nagar. There is a route along either bank of the Kanjut river, that usually taken is as under :—

1	Gilgit <i>P. O., T. O., C., E.</i> ...	...	...	0	...	Junction of Gilgit and Kanjut rivers.	Up Kanjut valley right bank.	.....	Gilgit bridge	4890	S. F. G. and T. moderate, W. plentiful.	Town, fort, and, capital of Gilgit province. Residence of Political Agent.
	<i>Pilche</i>	...	...	9	4	Road to Nomal along sandy reaches and through precipitous rock gorges.	.....	.....	Nalta bridge.	5500	S. F. G. and T. scanty, W. plentiful.	Fort and village.
	Nomal <i>E.</i> —	...	18	...	18	Road to Chalt fair with exception of long Chaichar parri.	...	...				
	<i>Gwech on left bank</i> ...	...	...	25	...							
	<i>Chaitchar parri</i> ...	...	...	30	...							
2	Chalt <i>E.</i> —	...	16	...	34	On united fan at mouths of Chapro and Garasir nalas.	Cross to left bank, cross	.....	Chaprot "	6120	S. F. G. and T. moderate, W. plentiful.	Fort, village and fields.
				36	...				Kanjut "			

	<i>Nilt</i>	...	...	37	4	After crossing steep ridge, road traverses a succession of fans, cut by several deep and precipitous nales; road fair, though stony, passable for laden animals.	spur from Rakipushi mountain.	.....	7000	.....	Strong fort stormed in Hunza campaign.
	<i>Thol</i>	...	...	45	...	...	...	8 deep nales crossed hence to Tushot.	.....	.....	
3	Gulmit <i>E.—</i>	...	15	49	...	...	.....	.....	6400	S. F. G. and T. scanty, W. plentiful.	Fort and village.
	<i>Pisan</i>	...	...	52	4	...	Cross to right bank for Hunza.	Kanjut bridge.	6980	Ditto	
	<i>Tushot</i>	...	...	57	4	...	.....	.....	7480	Ditto	Ditto.
4	Phakar <i>E.—</i>	...	10	59	4	...	.....	Kanjut bridge.	7790	S. F. G. T. W. plentiful.	Town, fort and capital of Nagar.
	<i>Askordas</i>	...	...	64	...	...	Junction of Nagar and Kanjut rivers.	.....	7790	S. F. G. T. W. plentiful.	Residence of Thum of Nagar.
5	Nagar <i>E.—</i>	...	13	72	4	...	.....	.....	8000	Ditto	Town, fort and capital of Kanjut.
	<i>Or crossing Kanjut river either at Tushot or Samaya.</i>	...	...	...	...	...	.....	.....	8000	Ditto	Residence of Thum of Hunza.
5	Hunza or Baltit	...	13	73	...	...	Road rough and stony to Gulmat, passable for laden animals.	Up Kanjut or Gujal valley.	8000	Ditto	Town, fort and capital of Kanjut.

From Nagar there is a cross path to Hunza about 9 miles in length, crossing both Nagar and Kanjut rivers.

From Hunza, the track continues northwards up the Kanjut valley to Pasu, at the junction of the Shimsal and Gujal rivers. One path goes eastwards up the former valley to the Shimshal pass 17,000 feet, and descends into the Oprang valley, another path goes northwards up the Gujal valley and leads to several passes over the Hindu Kush.

N. W. up the Irshad tributary valley by Riship Jerad and Derdn over 2 passes to Langar and Gombazi-Bozai in the Pamir Khurd of Wakhan.

N. up the Gujal valley over the Kilik pass to Tashkurgan in Sarikol as under.

N. N. E. up a side ravine over the Mintaka pass 14,400 feet, and down by Chadartash and Mazar Said Hassan to Tashkurgan.

N. E. up another side ravine over the Kunjerab pass and down by Mazar Said Hassan to Tashkurgan. They are free of snow in summer and practicable for laden mules and camels.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE 'N MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXIV	<i>ROUTE—contd.</i>								
	<i>Altit</i>	..	77 ..	.....	.. ..	.. ..	.. ..	S. F. G. and T. scanty, W. plentiful.	Village and fort.
	<i>Mahomedabad</i>	..	80 ..		.....	.....	.....	Ditto	Ditto and cultivated fields.
6	Atabad	..	15 ..		.. ..	.. ..	8000	S. F. G. and T. moderate, W. plentiful.	Village and fort.
7	Gulmat	..	9 ..	Road fair from Gulmat to Pasu.	Up Gugal valley.	Shimshal ford			
8	Pasu	..	8 ..	Road through country bare of vegetation, crosses a large glacier shortly beyond Pasu. At mouth of grand gorge, winter route along bed of river, summer route over parri spurs.	.....	.....	.....	S and T. nil, F. G. scanty, W. plentiful.	Hamlet.
9	Khaibar	..	10 ..	Arduous march to Misgar over huge parri, ever up and down.	.....	Cross Gugal river, numerous fords, deep and difficult.	8750	S. F. G. & T. scanty, W. plentiful.	Village.
10	Gircha	..	10 ..	Fairly easy ascent and descent over stony downs on both sides of pass.	.....	.....	10200	Ditto	Hamlet.
11	Misgar	..	12 ..		.....	.....	.....	S. and T. nil, F. G. scanty, W. plentiful.	Halting place.
12	Murkush	..	13 ..		Kilik pass, down Wakh-	.....	15600		
			159 ..						

13	Kukturuk nala ...	18	...	168	...	.....	ir. valley.	.....	14000	Ditto	Track west up Wakhjir valley over Khajrui pass 16,150ft. and down Ak Bilis valley to Bozai Gombaz about 50 miles. Track north over Paik pass to Ak-tash 50 miles. Kirghiz encampment. Ditto.
14	Mintaka nala ... <i>Chadirtash</i> ...	20	...	188	...	.....	Track south over Mintaka pass into Kanjut.	.....	13000	Ditto	.....
15	Kurghan-i-Ujad bai ...	22	...	210	...	.....	Stony road down the Taghdumbash Pamir to Tashkurgan.	Down Taghdumbash valley.	12000	Ditto	Old fort near junction of Kunjerab river, road south up latter to pass. Halting place.
16	Camp ...	16	...	226	...	.....	.....	.....	.....	S. F. T. nil, G. scanty, W. plentiful.	.....
17	Tashkurgan ...	16	...	242	...	.....	Road along plain to Chushman.	Down Tashkurgan valley.	10250	S. F. G. and T. moderate, W. plentiful.	Small town and fort and capital of Sarikol.

Hence are 3 routes, first northwards to Kashgar by Clushman and Tagharma to Little Karakul Lake west of Tagharma and Mustagh Ata peaks, thence north eastwards down the Uluart valley and through the Gez denies, by Tashbalik and Borakatai about 208 miles, or 450 miles from Gilgit.

The second route to Yangi Hissar (midway between Kashgar and Yarkand) as described below.

The third route diverges from Chelil Gombaz 312 miles on second route eastwards to Yarkand, down the Charlung valley to Kiaz Aghzai 6,370 feet, at junction of the Kiaz river 350 miles, then up the latter over the Kara Dawan 9,590 feet 360 miles, and the Kizil Dawan 10,480 feet 367 miles, across the Shaitan-i-gum desert to Yakarik 4,630 feet 422 miles, and through cultivated country to Yarkand 3,923 feet 452 miles.

On each of these three routes, there are variations, which are adopted according to the season, condition of snow in the passes, state of river floods, &c.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXIV	<i>ROUTE.—contd.</i>								
	<i>Tiznef</i>	.. ..	242						
		.. ..	245						
18	Chushman	10 ..	252	Rough and stony road up ravine and over pass.	Up Karabalak glen. Kokmainuk pass.	.....	10100	S. F. G. and T. scanty, W. plentiful.	Village.
			264						
19	Chichiklik plain	16 ..	268	Road across plain 5 miles, steep ascent and descent over pass of loose and slipping stones.	Yambulak pass.	.....	15500.	S. and T. nil, F. G. scanty, W. procurable.	Halting place.
			277			Toilobolong Lake.	16000.		
20	Toilobolong	18 ..	286	Rocky road down ravine, steep and narrow in places over boulders.	Down Toilobolong ravine.	.....	.....	Ditto	Ditto.
21	Past Robot	13 ..	299	Fair road in valley, very steep ascent and descent over pass, through large rocks.	.....	.....	9280	S. and T. nil, F. G. procurable, W. plentiful.	Hamlet.
			303			Tangitar ford.			
			307		Torak pass	.....	13130.		
22	Chehil Gombaz	13 ..	312	Steep and rocky ascent and descent.	.....	Charlung ford	10500	Ditto	Ditto.
			318		Kaskam pass, down Kinkol valley.	.....	12930.		

23	Kinkol	...	23	...	335	...	Road fair through defile and emerges on to broad plain.	.....	.....	.....	.....	S. and T. nil, F. G. scanty, W. plentiful.	Hamlet.
	<i>Sasaltaka</i>	...	...	...	342	...	.....	.....	.....	.....	.....	9455.	
24	Aktala <i>Kizka</i>	...	15	...	350 356	...	.....	.....	.....	.....	.....	Ditto	Village.
25	Karawul	...	12	...	362	...	Road fair through cultivated country with villages and orchards.	.....	.....	.....	.....	S. F. G. T. scanty, W. available.	Fort.
26	Ighiz Yar <i>Karawas</i>	...	12	...	374 390	...	.....	.....	.....	.....	.....	S. F. G. T. moderate, W. plentiful.	Village.
27	Yangi Hissar	...	30	...	404	...	.....	.....	.....	Yangi Hissar bridge.	.....	S. F. G. W. and T. plentiful.	Small town.

From Chushman there is a track northwards up the Karasu valley to Tagharma, and another track eastwards down the Tashkurgan valley to Shiudi, and thence north eastwards over the range 14,480 ft. to Past Robat.

From Chehil Gombaz the Taugi road eastwards to Yarkand branches off down the Charlung valley. It is longer and more difficult than the road to Yangi Hissar, and supplies of all kinds are scarce.

Rock salt is said to be found in the mountains bordering the Charlung valley and coal in the Kara Dawan and at Kusherab lower down the Charlung valley. Below the Kara Dawan on the west side, there is a waterfall 400 feet and the road alongside is difficult and dangerous.

From Ighiz Yar 374 miles, there is a track eastwards to Kizyl 398 miles 3,910 feet, which is situated on the Yarkand, Yangi Hissar and Kashgar road, 30 miles S. E. of Yangi Hissar, and 55 miles N. W. of Yarkand 3,923 feet.

Yangi Hissar is thus distant 85 miles N. W. of Yarkand, and 50 miles S. of Kashgar, 4,043 feet by a good road over a fertile country, well watered by canals and cultivated.

LXV GILGIT TO SKARDU BY NAGAR AND HISPAR — (Approximate.) Map. Conway, Eckenstein, Wachmeister.

	Gilgit <i>P. O., T. O., C., E.—</i>	...	...	0	...	.....	.....	.....	.....	4890	.....	Town and capital of Gilgit province.
5	Nagar <i>K.—</i>	...	...	72	4	.....	See previous Route LXIV.	.....	.....	7790	S. G. W. and T. plentiful, F. scarce.	Town and capital of Nagar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXV ROUTE.—contd. ... 72 4									
From Nagar to Hunza 9 miles, the direct route crosses the Nagar river by a rope bridge, the Daung pass 9,200 feet at 2½ mile, and the Kanjut river at 7 miles by a rope bridge.									
Between Nagar and Hispar there are two more paths, one up the Nagar and Hispar valleys, about 25 miles, the rest by Hopar are longer. The following is chiefly taken from "Climbing in the Himalayas" by Sir W. M. Conway.									
6	Hopar (Ratal) ...	6	79	..	Road from Nagar to Hopar good.	.....	.....	S. F. G. W. and T. moderate.	Group of 5 villages.
	<i>Halshal</i> ...	...	80	...					
	<i>Borpu</i> ...	...	85	...	Hence to Hispar very rough, crosses several side nalas and glaciers and an intervening ridge.	.....	10990	S. and T. nil, F. G. scanty, W. plentiful.	Halting place.
7	Paipering Maidan ...	11	90	...		Rash ridge up Nagar valley.	8620.		
	<i>Arpi Harrar</i> ...	...	96	...	.....	.....	9390.		
	<i>Darapo</i> ...	...	101	...					
	... ..	...	103	...					
	... ..	...	105	...					
8	Hispar ...	16	106	..	After crossing the Garumbar nala, the track ascends along left bank	Up Hispar glacier left bank.	10320	S. F. G. T. scarce, W. plentiful.	Village.
	<i>Chokutens</i> ...	...	112	...		.....	11770	.....	Stone huts.

9	<i>Gauder</i> Magorum <i>Chiring</i>	...	...	...	...	...	of Hispar valley crossing grassy declivities, several side naals and glaciers from the south, gravel slopes and stony moraines to Haigutum, whence it turns due south up this side glacier, crosses the latter zig-zag up snow field and avalanche slopes over steep snow mound 500 feet above and east of col.	.....	.....	13070.	S. and T. nil, F. W. G. available.	Halting place. Ditto.
10	Haigutum or Hyou Kuru	...	13	...	131	...	Up Haigutum side glacier. Nushik La.	.....	.....	13880	Ditto	Ditto.
11	Stiatbu Brangsa <i>Ding Brangsa</i>	...	12	...	143	...	Down Kero Loongma glacier, keeping generally along right bank.	.....	.....	17300	S. F. G. T. nil, W. from snow.	Open only in June, July and August. Ditto 4 huts.
12	Kutche Brangsa	...	10	...	153	...		.....	.....	.....	S. and T. nil, F. G. W. procurable.	Ditto.
13	Arundo <i>E.—</i>	...	16	...	169	...	Junction and mouth of Kero Loongma and Chogmo Loongma glaciers.	.....	.....	10000	S. F. G. W. and T. moderate.	Village at foot of glaciers. Another road down left bank, crossing Braldo river and by Kashimal to Shigar.
14	Chutrur <i>B.—</i> <i>Tisar</i>	...	20	...	189	...	Down Braldo valley right bank. Road from Arundo to Tisar fair.	Hot Springs	.....	.....	S. and T. scanty, F. G. W. plentiful.	Junction of Basho and Braldo rivers.
		...	..	...	193	...	Down Shigar valley right bank.	.....	.....	8227	.....	
		...	..	...	197	...	Difficult parri with 3 ladders and logs.	.....	.....			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL m. f.						
LXV	<i>ROUTE.—contd.</i>	...	197 ...						
15	Youskil	15 ...	204 ...	Road from Youskil to Shigar along sandy reaches, passing several villages. .....	.....	.....	.....	S. F. G. W. and T. moderate.	Large village.
16	Shigar <i>E.—</i>	16 ...	220 ...	.....	Cross to left bank.	Skin raft across Shigar river. Indus ferry	7640	S. F. G. W. and T. plentiful.	Small town.
17	Skardu <i>P. O., T. O., C., E.—</i>	14 ...	224 ...	.....	.....		7400	S. F. G. W. and T. abundant.	Town and capital of Baltistan.
LXVI GILGIT TO HANLE BY INDUS VALLEY—Old Route. Map. Conway. Wachtmeister.									
	Gilgit <i>P. O., T. O., C., E.—</i>	...	0 ...	} See Route LVIII.	.....	...	4890	S. F. G. W. and T. moderate.	Fort, town and capital of Gilgit province. Residence of Political Agent.
14	Skardu <i>P. O., T. O., C., E.—</i>	...	144 ...		Up Indus valley left bank.	.....	7400	S. F. G. W. and T. abundant.	Fort, town and capital of Baltistan. Head-quarters of

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXVI	<i>ROUTE—contd.</i>	...	300	...					
19	Kartaksho	...	203	4	From Kartaksho to the Hannu cho	Indus rope bridge.	8340	S. F. G. W. and T. available.	Large village and fort on right bank.
	<i>Khurmang</i>	12	...	...	the road is very rough and difficult, crossing many spurs and parris abutting on the Indus, involving steep ascents and descents.	Gavis cho.	.....	S. and T. scanty, F. G. W. available.	Village opposite Tarkuta.
20	<i>Palpardo</i>	...	208	...					
	Hamzigund	16	4	220	.....	Goondi cho	.....		
	<i>Marol</i>	...	223	4	.....	Gannoks cho.	.....		
		...	228	...	.....		.....		
21	Grugurdo	18	...	238	.....	Gargri cho	.....	Ditto	Village.
	<i>Ourdas</i>	...	243	...	.....	.....	.....	...	Between Ourdas and Sanacha on left bank great gorge of Indus.
22	Garkhun	10	...	248	.....	Barorow cho	.....	Ditto	Ditto.
	<i>Dah</i>	...	251	...	.....	Dah cho.	.....		
	<i>Phindoor</i>	...	254	...	.....	Phindoor cho.	.....		
23	Nubibranskar or Lower Hanu	16	...	264	From Hannu cho to Leh the road is	Hannu cho	.....	S. and T. nil, F. G. W. procurable.	Hamlet.

24	<i>Achinathang</i> Skirbichan <i>E.—</i>	...	...	270	...	fair throughout and passable for laden animals.	... ..	...	...	Broglow cho.	...	...	S. and T. scanty, F. G. W. procurable.	Village.
	<i>Doomkhar</i>	...	...	284	...	.....	.....	...	...	Doomkhar cho.	.....	.....	.....	Fort and bridge over Indus river.
25	Khalsi <i>B.—</i>	...	16	294	...	Road through barren country, passing long mani mounds.	.....	...	...	Skining cho	10000	Ditto	Ditto	Village.
26	Nurla <i>B., E.—</i>	...	6	300	...	Good road passable for laden animals.	Up Indus valley right bank.	...	...	Phoch a Drokpo	...	...	S. F. G. W. and T. moderate.	Ditto.
27	Saspul <i>B., E.—</i>	...	14	314	6	New wooden bridge built over Indus river. Hence are two roads to Bazgo, take side valley N.-E. passing numerous chortens and inscribed rocks over plateau crossed fertile side valley of Bago along stony slope to Nimu; thence stony descent to Phayang, where flowing	.....	...	...	Saspul Drokpo	.....	...	S. and T. nil, F. G. W. available.	Small village and gonpa, cultivated basin.
	<i>Bazgo</i>	...	...	322	2		...	...	...	Bazgo "	11050	procurable.	S. F. G. W. and T.	Large village.
28	Nimu <i>B., E.—</i>	..	11	326	2		.....	...	...	Shemo "	.....	...	S. F. G. W. and T. moderate.	Small village.
	<i>Phayang B.</i>	..	...	337	2		.....	...	...	Lunachmo Foo.	.....	...	S. and T. nil, F. G. W. procurable.	
	<i>Pitak</i>	...	...	340	2		.....	...	...	.....	10500	.....	.....	Village and Monastery.

NUMBERS OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE	TOTAL.							
		m.	f.	m.	f.					
LXVI	<i>ROUTE—contd.</i>	...	340	4						
29	Leh <i>P. O., B., C., E.—</i>	18	2	344	4	water among trees. At Pitak short turf, beyond strip of barren country and vast fan, on top of which are green fields of Leh.	.....	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak.

From Leh, there are routes on both sides of the Indus river to Hanle, and there are wooden bridges at Shushot, Marshalang and Yugu, which are passable for laden animals; also at Hemiya and Tirido, at the mouth of the Tiri ravine from the south. Above Mahiye opposite the mouth of the Puga river, the Indus is generally fordable.

30	Tilkzay	13	...	357	4	Good road from Leh to Yugu. If transport of pack animals, cross Indus by Marshalang bridge and proceed by Puga road.	.....	11000	S. F. G. W. and T. plentiful.	Large village and Monastery, where there is a Skooshok or Mahatma.
	<i>Tunglaska</i>	...	...	362	...		Nang "			
	<i>Opposite Marshalang</i>	...	...	370	...		Chimray river.			
31	Yugu	14	4	374	...		Ugu river	.....	S. F. G. W. and T. procurable.	Village.
32	Shera	11	...	385	...	Footmen only can carry loads over	.....	.....	Ditto	Ditto.

33	<i>Ikpa</i> <i>Likche</i> Hemiya <i>Kyungyum on right bank</i> <i>Tirido on left bank</i>	 14	388 392 399 404 406	the precipitous parris or cliffs of the Rong defile between Hemiya and Mahiye. Fair road from Yugu to Hemiya with exception of 2 spurs between Ikpa and Likche, with stone steps. Rough road between Hemiya and Mahiye with many ascents and descents over spurs. The worst part is about half way between Gaik and Ni in rounding a projecting spur with awkward precipices. From Mahiye where the Indus valley opens out, the road along the plain to Nowi is fair.	 Cross to left bank. Cross to right bank.	Ikpa ravine. Tugla " Indus bridge Ditto Kumdok foo.	..... ..... ..... ..... .....	S. T. moderate, F. G. W. plentiful. Ditto Ditto Ditto S. T. F. G. nil, W. available. S. and T. nil, F. G. W. procurable.	Ditto. Month of Tiri foo. Small village. Ditto. Ditto. Tso Yahe Lake 3 miles up this valley. Hamlet. Two small villages.
34	Gaik <i>Kumdok</i> <i>Ekakka</i>	... ... ...	413 416 421	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....
35	Gni	13	426 428 430 438	..... ..... ..... .....	..... ..... ..... .....	Nia foo Kaiser foo Yeh foo. Hot Spring.	..... ..... ..... .....	Ditto Ditto Ditto Ditto	Ditto. Ditto. Ditto. Ditto
36	Chumathang	13	439 451	..... .....	..... .....	Chumathang foo. That foo	..... .....	Ditto Ditto	Ditto. Ditto
37	Mahiye <i>Itakaru</i>	14 ...	453 461 466			Mahiye foo. Polahung foo. Nima foo.	13800	S. T. F. G. nil, W. available.	Hamlet.
38	Nima Mud	16	469 470			Gochin foo. Gochang foo.	14000		

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		INTER- MEDIATE.	TOTAL.						
		m. f.	m. f.						
LXVI	<i>ROUTE.—contd.</i>	...	470 ..						
39	Nowi	10 ...	479 ..	From Nowi there are 3 routes up the Hanle valley, rough and stony in the defiles and easy over the plains. Care must be taken to select camps, where the water is not brackish.	Cross to left bank up Hanle valley by left bank.	Indus ford	13900	S. and T. nil, F. G. W. procurable.	Halting place. Village.
40	Chumik	14 ...	493 ...			Chumik ravine		Ditto	Ditto mouth of ravine.
	<i>Mankhang plain</i>	...	500 ...						Above Chibra village.
41	Sango plain	14 ...	507 ...			Sangoisang		Ditto	Halting place.
42	Hanle <i>E.—</i>	14 ...	521 ...				14276	S. F. G. W. and T. moderate.	Village, large monastery and thana.

LXVII LEH TO HARDWAR by TSO MORARI LAKE, SPITI and MASURI—

Leh <i>P. O., B., C., E.—</i>	...	...	0 ..	Fair road from Leh to Puga, passable for pack animals, yaks chiefly employed.	Up Indus valley along right bank.	...	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak.
Tikze <i>E.—</i>	...	12 ...	12 ...		.....	Sabu foo	11000	S. F. G. W. and T. plentiful.	Large village and monastery.

<i>Tunglasha</i>	...	...	...	16 24	4 4	Between Hemiya and Kramang are precipitous parris and cliffs, which can be avoided by taking one of the routes up Tiri valley.	..... .....	Nang foo. Chimre foo.	.....	S. F. G. W. and T. procurable.	Village.
2 Yugu E.—	...	16	4	28	4	.....	.....	Yugu foo	.....	Ditto	Ditto.
3 Shera E.—	...	11	4	40 43	... 4	.....	.....	Shera foo Ikpa foo.	.....	Ditto	Ditto.
<i>Lakhe</i>	...	...	...	47	4	.....	.....	Tugla foo.	.....		
4 Hemiya E.—	...	14	...	51 54	... ...	..... both banks of Indus river to Tirido.	Cross to left bank.	Indus bridge. Indus "	.....	S. T. moderate, F. G. W. plentiful.	Ditto.
<i>Tirido</i>	...	...	...	62	...	.....	Cross to right bank.	Indus ford	.....	.....	Mouth of Tiri foo.
5 Gaik E.—	...	14	...	68	...	.....	... ..	.....	...	Ditto	Small village.
<i>Kumdok</i>	...	...	...	71	...	.....	.....	Kumdok foo.	.....	.....	Path over Kiari La to Tsokar Chumo lake.
<i>Khatpa</i>	...	...	...	73	...	.....	.....	Khatpa Thamba foo	.....	.....	Ditto.
6 Kiare on left bank...	...	7	...	75	...	Road along both banks Indus river to Kramang.	Cross to left bank.	Indus ford	.....	S. T. nil, F. G. W. plentiful.	On right bank op- posite. Hamlet.
<i>Gni</i> on right bank	...	...	...	81	...	.....	.....	Nia foo	.....	.....	
7 Kramang bank.	...	14	...	89 99	... ...	Leave Indus and ascend Kidmang foo ravine over Sildat La into the Puga valley and across two hill ranges to the Tso Kiagr.	Sildat La.	Indus ford	.....	Ditto	Village, hot springs, sulphur mines, borax fields.
8 Puga E.—	...	16	...	105 109	... ...	.....	Nakpogoding La.	Puga ford ...	15200 18000.	S. G. T. scarce. F. W. plentiful.	
	...	...	...	111	...	.....	.....	Zobashi she foo.	.....		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXVII ROUTE—contd.									
9	Shak sang <i>Peldo</i>	...	111 ...	.....	Lanak pass.	Tso Kiagr.	.....	.....	Lake 1 mile east.
		...	115 ...	.....	.....	.....	.....	S. and T. nil, G. F. W. available.	
		13 ...	118 ...	.....	.....	Tso Morari	.....	.....	North end of lake.
		... ..	124 ...	.....	Along west-ern shore of Tso Morari lake.	Ditto	14900	S. and T. scanty, G. F. W. available.	Village and monas-tery.
10	Karzok <i>E.—</i>	11 ...	129 ...	Along western shore of Tso Mo-rari.					

From Tirido 62 miles, a route branches off south-west up the Tiri valley by Tiri 66 miles, to Staznema foo 72 miles, where it forks out up two ravines; the more western track ascends over the Shing bul La and descends southwards along the west side of the Tso kar plateau to Pongo Nagu 86 miles, and along western shore of Tso kar chumo lake to Rigul 94 miles on south side of lake. Hence southwards to Naru chan 106 miles, whence south eastwards over the Karum La 108 miles and down the Nugma foo to Nugma Ninda 119 miles, and then over the Karzok La 128 miles to Karzok 136 miles.

The more eastern track from Stazuema foo 72 miles goes up the other ravine over the Thasang La 76 miles and descends to the same plain on the east side to the Thugg Gondpa 86 miles; thence by Khangur on eastern side of the Tso kar chumo lake up the Pola Konka foo to Zukti 99 miles, and over the Polakonka La 16,300 feet 102 miles by Nakpo goding 109 miles, over the Nanak La 111 miles, and Lanak La 116 miles, to Shaksang 119 miles, on Tso Kiagr plain, Peldo 125 miles, and Karzok 130 miles.

Another track from Polakonka La 102 miles goes down the Puga valley to Puga 114 miles, and onwards to Mahiye 127 miles, where cross Indus by ford to right bank 13,800 feet. F. G. nil.

Another track from Puga to Nina Mud on the Indus is 12 miles in length.

11	Kiangdom <i>E.—</i>	...	14	...	143	...	Road fair to Narbu Sumdo.	.....	.....	14900	S. F. T. nil, G. W. scanty, lake water brackish.	South end of Tso Morari lake.
12	Narbu Sumdo	...	11	...	146 154	...	Road fair to Du- tung crossing many spurs and ravines.	 Up Parachu or Parang valley, right bank.	Phirse foo. Parachu ford	15300	S. F. T. nil, G. W. procurable.	
13	<i>Umdung</i>	...	...	...	156	...		.....	.....	...	S. T. nil, F. G. W. available.	Halting place.
14	Thukrote	...	18	...	172	...	.....	.....	.....	16000	S. T. nil, F. G. W. procurable.	Ditto.
15	Dutung <i>E.—</i>	...	12	...	184	...	.....	.....	.....	18300.		
16	Jughtha <i>E.—</i>	...	10	...	194	...	Steep ascent and cross glacier, de- scent rocky and abrupt, impass- able for horses.	 Parang La down Spiti valley.	.....	16000.	Ditto	Ditto.
17	Kiwar <i>E.—</i> <i>Ki</i>	...	12	...	205 206	...	..... ...	..... .....	Parlung bi ford.	13400	S. F. G. T. moderate, W plentiful.	Large Village. Monastery.
18	Kaja <i>E.—</i> <i>Lodang</i>	...	...	...	211	...	.....	.....	.....	.....		
19	Dankar <i>E.—</i>	...	12	...	215 218	...	Road undulating and in part stony to Dankar.	..... .....	Shilla ford. .....	.....	Ditto	Small Village.
20	Dankar <i>E.—</i>	...	...	...	226	...	If travelling the reverse way take supplies here and at Kiwar to last until Puga.	.....	.....	12774	S. F. G. T. and W. plentiful.	Large Village and Monastery. Capital of Spiti.
21		...	16	...	234	...	.....	.....	.....			
22		...	...	...	239	...	.....	Up Pin valley left bank.	Spiti bridge.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m.	TOTAL. m. f.						
LXVII ROUTE—contd.									
19	Sunam <i>E.—</i>	...	239 ...	Fair road through sterile valley.	Cross to right bank.	Pin ford	.....	S. F. G. T. moderate, W. plentiful.	Large Village.
20	Muth <i>E.—</i>	8 ...	252 ...	.....	.....	Kyokti ford.	.....	S. and T. scanty, F. G. W. plentiful.	Small Village.
21	Buldur	13 ...	257 ..	.....	.....	... ..	.....	S. and T. nil, F. G. W. plentiful.	Hamlet.
22	Lursa	9 ..	260 ...	Ascent to pass very steep and stony near summit, descent easier. .....	.....	... ..	.....	Ditto	Halting place.
23	Pustirang <i>Muling</i>	10 ..	282 ...	Road through fine forest of firs.	Bhabeh pass Down Bhabeh Wangar valley. .....	.....	15000.	Ditto, F. nil	Ditto.
24	Yangpa	12 ...	287 ... 292 ... 298 ... 304	Descent from Yangpa to Wangtu very steep. .....	.....	.....	.....	S. and T. scarce, F. G. W. plentiful.	Village where scorpi- ons abound.
25	Wangtu <i>E.—</i>	12 ...	316 ...	Cross Hindustan and Thibet road.	Cross Sutlej valley.	Sutlej bridge	5361	Ditto	Supplies from Sarhan.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXVII ROUTE—contd.									
35	Jitar	...	403 ..	Road from Simla to Masuri joins here.	.....	Tonse bridge at Tiuni.	.....	S. F. G. W. and T. available.	Below junction of Pabar and Tonse rivers.
		8 ..	411 ..						

From this point there appear to be two roads to Chakrata, one the forest route goes to Maindrolh F.B., 416 miles, Katyan F. B. 426 miles on summit of Jakni Lena pass, Lokar F.B., 432 miles, Manali F.B., 436 miles, Deoband F.B., 445, and Chakrata D.B., 452 miles, which is 2½ miles beyond cantonment. The other ordinary route is as under :—

36	Kanda	...	10 ...	421 ...	Fair road for pack animals.	.....	.....	S. F. G. W. and T. moderate.	Small village.
37	Bandraoli	...	11 ...	432 ...	.....	.....	.....	Ditto	Ditto.
38	Deoband	...	10 ...	442 ...	.....	.....	9000	Ditto	Ditto, Forest head quarters.
39	Chukrata <i>P.O., T.O., D.B., C, E.</i>	...	7 ...	449 ...	.....	.....	7000	S. F. G. W. and T. plentiful.	Military cantonment and bazar.

From Chukrata there is a road southwards to Saharunpore, passable for carts, 81½ miles long : the stages are Karbeah 9 miles, Saiah B. 9 miles, Kalsi B., 12½ miles (where a suspension bridge over river Jumna) cross Asan river, Futhipur B., 10½ miles, over Timli pass of Siwalik range, Badshah Bagh 12 miles, Kalsea B., 14 miles, Saharunpur, N. W. Railway Station, D.B., 14½ miles.

40	Shevalia <i>D. B.—</i> <i>Nagtat B.</i>	...	11	...	460	...	Bridle road pass- able for laden animals down hill to the Jumna and thence up hill to Masuri.	Along moun- tain ridge, crossing the Jumna river.	..... .....	..... .....	S. F. G. W. and T. moderate.	Small village. On summit of ridge.
41	Lakwar <i>D. B.—</i>	...	11	...	471	...	.....	.....	.....	.....	Ditto	Ditto.
					475	...	.....	.....	Jumna bridge iron suspen- sion.	.....		
					480	...	.....	.....	.....	.....	.....	Kemti falls.
42	Masuri <i>P. O., T. O., Hotels,</i> <i>C., E.—</i>	...	15	...	486	...	Good bridle road passable for laden animals down hill to Rajpore.	.....	.....	{ 6590 } { 7133 }	S. F. G. and T. abundant, water supply limited.	Military and Civil Sanitarium, con- valescent depot.
	<i>Rajpore</i> <i>Hotels—</i>	...	...	...	493	...	Cart-road metallad hence to Delhra and Saharunpore.	.....	.....	2996	S. F. G. W. and T. moderate.	Large village.
43	Dehra <i>P. O., T. O., Hotels,</i> <i>C., E.—</i>	...	14	...	500	...	Earthen cart-road to Hardwar, very rough in places, crossing stony beds of rivers.	Through Eastern Dun.	.....	2347	S. F. G. W. and T. abundant.	Military Canton- ment, Civil Sta- tion, Town, Bazar, head-quarters of district. Hamlet.
44	Lachiwala <i>B.—</i>	...	11	4	511	4	.....	.....	.....	1680	S. and T. nil, F. G. W. available.	
					519	...	.....	.....	Suswa bridge.			
45	Kunsrao <i>B., F., B.—</i>	...	8	4	520	...	.....	.....	.....	1360	Ditto	Forest head-quar- ters.
..					527	...	.....	.....	Motichoor ford.			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
		...	527 ..						
		11 ...	531 ...	Situated on right bank of Ganges river, where it issues through the Siwalik hills.	.....	.....	1050	S. F. G. W. and T. abundant.	Town, bazar, bathing ghats, celebrated place of pilgrimage.

LXVII^a SPITI to HARDWAR by GANGES VALLEY and MASURI-

18	Dankar <i>E.—</i>	...	...	234	..	Road fair down Spiti valley left bank, undulating, crossing many spurs and shaly slopes.	Down Spiti valley left tank.	.....	12774	S. F. G. W. and T. procurable.	Village, fort and monastery. Capi- tal of Spiti.
19	Pokh	...	9	5	243	5	.....	.....	.....	Road to Manirang pass. Village.	
20	Tabo	...	6	5	250	2	Road stony, cross- ing high spurs at both ends of stage.	.....	.. ..	S. and T. very scarce, F. G. W. available.	Hamlet and mo- nastery.
	<i>Lari</i>	...	...	...	253	...	.....	.....			

21	Somra	...	8	1	258	3	Road fair, easy ascent and descent over pass.	Cross to right bank. Lepcha ghat cross to left bank.	Spiti ford	 13628. 10272	Ditto	Village on right bank of Spiti river.
22	<i>Shakkar</i> Chango <i>E.—</i>	...	...	...	263 269 ...	4 ...	..... .....	..... .....	..... Spiti bridge	 S. F. G. W. and T. procurable.	 S. F. G. W. and T. procurable.	Fort. Large village on left bank Spiti river.
23	Naku	...	10	...	282	...	Road fair along course of Spiti river.	 Cross to right bank.	 Spiti bridge.	11975	S. and T. scarce, F. G. W. available.	Small village on left bank Spiti river.
24	Lio	...	4	...	284	4	Road commences by a steep zigzag and is then fairly level.	.....	.....	9600	S. F. G. W. and T. procurable.	Village on right bank Spiti river.
25	Hangu <i>E.—</i>	...	8	...	294	...	Easy ascent to and descent from pass, crossing streams several times.	...	...	11500	S. and T. scarce, F. G. W. available.	Small village.
26	Sungnum	...	12	...	300 306	...	.....	Hungerang pass. .....	..... .....	14530. 9020	S. F. G. W. and T. procurable.	Large village, monastery.

Another track starts from Peldo at the north end of the Tso Moriri Lake 124 miles down the eastern shore to Lunk Serma 136 miles; thence eastwards crossing Chagarchan La 145 miles, to Ooti 149 miles, whence southwards along the Tegasing plain to Chumar 165 miles 14,600 feet, and down the Parachu valley to Chepzi 177 miles, on the border of Chinese Thibet, entering which Kyuntsang 185 miles, Chagya Sumdo 197 miles, Zampa 205 miles, Karak 212 miles, Sunyal 227 miles, are passed and crossing the border again into British territory, Kuri 238 miles, crossing Parachu river at Shugar by natural bridge of rock to Changrezing 249 miles, and over Changrang La to Chango 257 miles. From Somra 258 miles 3 furlongs, another track follows down the Spiti valley to Huling 264 miles, and crossing the Parachu by the rock bridge at Shugar 274 miles, to Changrezing 280 miles, and Chango 288 miles.

There is a more direct track from Dankar 234 miles, by crossing the Spiti river to Mani 242 miles, by Sopona Lake 246 miles, the Maniraug pass 18,600 feet 253 miles, and down the Thanam valley to Pamachang 260 miles, Rupa 269 miles, and Sungnum 276 miles. This pass is, however, very high and covered by snow; through supplies and coolies necessary.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
LXVIIa ROUTE—contd.										
27	Tabang E., good	...	306	...	...	.....	.....	14354.	S. and T. scarce, G. F. W. available.	Village.
	Laarang	...	307	4	...	.....	.....	10000.		
	E., bad, stony on slant	...	313	...	...	Down Sutelj valley right bank.	.....	9000		
	Kola	...	318	...	...	.....	.....	9000		
		14	...	...	Road rough but passable for laden animals.	.....	Taitu bridge.	9000		
28	Jangi	11	...	...	...	.....	.....	9000	Ditto	Ditto, copper prayer wheel.
	B.—Alpa	...	...	...	...	.....	.....	.....	.....	Vines grow here.
	Rarang	7	...	...	...	.....	.....	9068	Ditto	Village, bridge over Sutelj connects with road on left bank.

30	Pangi <i>B.—</i>	...	8	...	346	...	Here leave Hindu- stan and Thibet road, steep de- scent to the Sut- lej river, cross Jhula bridge and ascend by Poari to Barang.	.....	.....	.....	8950	S. F. G. W. and T. procurable.	Ditto, pilgrim shrine on Piri peak 14,000 feet.
31	Poari	...	7	...	353	...	Steep ascent fol- lowed by level to Meibar, ascend to pass, then rough descent into Bas- pa valley.	.....	Sutlej Jhula bridge.	.....	.....	Ditto	Ditto.
32	Barang <i>Meibar</i>	...	10	...	363	...	At Sangla road from Kilba joins and goes up the Rupin pass into the Tonse valley.	.....	.....	.....	.....	S. and T. scanty, ditto.	Ditto.
33	Sangla <i>Rakeham</i>	...	16	...	379	...	.....	Balkart spur. Up Baspa val- ley right bank.	.....	.....	12000.	S. F. G. W. and T. available.	Ditto, take supplies here for onward journey to Derali.
34	Chitkul	...	16	...	395	...	.....	.....	.....	.....	11400	S. and T. nil, F. G. W. available.	Hamlet highest in valley.
35	Suanchu <i>Danti</i>	...	10	...	405	...	Road from Sangla through Chitkul and Suanchu to Nithal very rough, crossing many spurs and ravines.	.....	Baspa bed forded seven- ral times.	.....	13900	Ditto	Halting place.
		...	...	...	413	...	.....	.....	.....	.....	.....	.....	Large plain.
36	Nithal	...	14	...	419	...	At Nithal junction of 2 valleys, east- wards over Guga- rang pass into Thibet, south- wards over Neela pass, ascend gla- cier and steep	.....	.....	.....	.....	Ditto	Ditto.
37	Karkuti	...	18	...	437	...	Neela pass	.....	.....	.....	18000.	Ditto	Hamlet.
		...	...	...	450	...	.....	.....	Blagirati bridge.	.....	.....	.....	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXVI <i>La ROUTE—contd.</i>									
38	Derali <i>B.—</i>	...	450 ...	snow field to summit, descend 2 miles to stream and along latter to Karkuti, follow same stream to the Bhagirati river.	.....	...	...	S. and T. scanty, F. G. W. available.	Village.
At 450 miles join the Forest road in Ganges valley. The route upwards from Derali goes to the Jangla F. B., 457½ miles; thence crossing the Jad Gunga or Nilang river from the Nilang pass, above its junction with the Bhagirati, the road ascends the latter valley to Gangotri temple 10,150 feet 472 miles, and to Gan Mukh 16,000 feet 488 miles, at the mouth of the great Gangotri glacier. Take supplies at Derali. The route down the Ganges or Bhagirati valley from the Ganges bridge at 450 miles is as under:—									
39	<i>Harsil</i>	...	450 ...	Road good but narrow.	Down Ganges or Bhagirati valley on right bank.	Bhagirati bridge.	8200	.....	Mr. Wilson's bungalow.
	Jala <i>B. C., E.—</i>	...	452 4	.....	.....	.....	8200	....	Village. From Jala to Batwari, river confined in narrow gorge.
	<i>Suki</i>	...	465 ...	Route to Jumnotri <i>via</i> Bandarpunch.	Suki bridge	.....	8800	S. scarce, F. G. T. W. available.	

40	Dangala	...	11	...	467	...	.....	Cross Bhagirati 3 times by bridge. Bhagirati bridge. Sulphur springs. Bhagirati bridge. Ditto.	6500	Ditto	Ditto.
41	<i>Barsi</i> Batwari F. B., E.—	...	...	...	473	...	.....				
42	Moneri B.—	...	12	...	476	...	.....	Road to Junnotri	5300	Ditto	Ditto.
43	<i>Kota Forest bungalow.</i> Barahat	...	11	...	479	...	.....	.....	4000	S. nil, F. G. T. W. procurable.	Ditto.
44	Dhunda	...	...	...	490	...	.....	.....	3900	S. F. G. T. W. available.	Ditto, Hindu temples.
45	Darasu F. B., E.—	...	12	...	501	...	.....	Road to Kedarnath.	3400	S. and T. nil, F. G. W. plentiful.	Small village.
	<i>Thona</i>	...	9	...	513	...	.....	.....	3300	Ditto	Village.
46	Laluri E.—	...	...	...	522	...	.....	.....	3100	S. available	Ditto.
	<i>Mauranah</i> E.—	...	...	...	524	...	.....	Leave forest road and go across hills S. W. to Masuri.	4000	S. F. G. W. and T. available.	Fine view of snowy range.
		...	9	...	527	...	.....	Road fair, crossing many spurs and crest of hill.	.....	Ditto	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
LXVIIa ROUTE—contd.									
47	Bhala E.—	...	538 ...	.....	Cross Aglar valley.	.....	5700	S. F. G. W. and T. available.	
48	Phedi E.—	12 ...	553 ...	.....	.....	.....	.....	Ditto	Village.
	<i>Suskouli</i>	...	558 ...	Join here Masuri and Tiri road.	Along moun- tain ridge.	.....	7000	.....	Convalescent depôt.
	<i>Landaur</i>	...	564 ...	.....	.....	.....	6500	S. F. G. W. and T. abundant.	Hill Sanitarium.
49	Masuri P. O., T. O., Hotels, C., E.	14 ...	567 ...	.....	Down hill to Dun.	.....	2150	Ditto	Military Canton- ment and Civil Station.
	<i>Rajpore, Hotels</i>	...	574 ...	Join here cart-road through Dehra to Hardwar.	Through Eas- tern Dun.	.....	965	Ditto	Chief place of pil- grimage in North- ern India. Ter- minus of branch from Oudh and Rohilkhund Rail- way.
50	Dehra P. O., T. O., Hotels, C., E.	14 ...	581 ...	.....	.....	.....			
53	Hardwar P. O., T. O., D. B., C., E.	31 ...	612 ...	.....	.....	.....			

The Forest road continues from 527 miles to Chanu 533 miles 2,700 feet, Kalasera 544 miles 4,200 feet, Baur 552 miles 4,700 feet, Kandia Gali B., 559 miles 6,800 feet, Kana Tal 565 miles 8,000 feet, Dhanaulti B., 573 miles 7,600 feet, Jalki 582 miles, Masuri 589 miles 6,500 feet.

From 542 miles, there is a direct road to Tiri, the capital of Gurliwal, and a path hence down the Bhagirati valley to Deopryag, junction of the Aluknanda river, and hence down the Ganges valley to Hardwar.

LXVIII LEH to SIMLA by SPITI—

	Leh P. O., B. C., E.—	...	...	0	..
1 to 25	Wangtu E.—	...	...	316	...

See Route LXVIII by Tso Morari Lake and Spiti to the Sutlej valley, where the Hindustan and Thibet road is joined. Take supplies from Leh to Dankar, and from Dankar to Sarhan.

From Wangtu upwards this road goes along the right bank of the Sutlej by Chagaon 7 miles, Urni B., 9½ miles 7,900 feet, Rogi B., 20 miles, 9,361 feet, Chini 23 miles 9,196 feet, Paugi B., 30 miles 8,950 feet, Rarang 38 miles 9,068 feet, Akpa 41 miles, Jangi B., 45 miles 9,000 feet, end of road 49 miles, whence rough hill track continues by Kola 54 miles, Labrang 56 miles 9,006 feet, Tabang 58 miles, Kunang pass 63 miles, 14,354 feet, Thanam bridge 69 miles, Sungnum 70 miles 8,000 feet, Shaso 74 miles, Charling La 80 miles 14,600 feet, Pooi 90 miles 10,000 feet, bridge over Sutlej river 91 miles, Dablung 95 miles, Khalb 100 miles, Nangea 101 miles 10,000 feet, Nangea Dogri 103 miles, cross two ridges of Kung ma La 108 miles 15,500 feet, to Shipki 112 miles 10,000 feet, a large Tartar village on the frontier of Chinese Thibet.

From Wangtu, after crossing the wooden bridge over the Sutlej river, this road continues down the left bank of the Sutlej valley as under :—

	Wangtu B.—	...	...	316	...	Good road 6 feet wide bridged throughout and passable for laden animals.	Down Sutlej valley left bank.	.....	5361	S. and T. scarce, F. G. W. plentiful	Supplies from Sarhan.
25			...	...	...		.....	.....			
26	Nachar B., E.—	...	3	...	319	.....	.....	.....	7125	Ditto	Hamlet.
27	Paunda B.—	...	4	4	323	.....	.....	.....	6124	Ditto	Ditto.
28	Taranda B.—	...	4	4	325 328	 Through fine deodar and elm forest	..... .....	Bridge.	7015	Ditto	Ditto in Kunawar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
. LXVIII ROUTE—contd.									
29	Manaspur	...	328	...	...	...	...	...	...
	Dralli Cliffs	...	329	...	...	Bridge.	...	...	...
		...	330	...	...	.....	6713	S. F. G. W. and T. moderate.	Large village in Bissahir.
	Sarhan B—	14	342	...	Maneoti spur.	.....	6512	S. and T. scarce, F. G. W. plentiful.	Village.
30	Gaura B.—	10	345	...	...	Manglad bridge.	...	...	...
		...	347	...	...	.....	3870	S. F. G. W. and T. plentiful.	Town and capital of Bissahir State. D. B. one mile north of city.
31	Rampur P. O., D. B., C.—	6	359	...	Down Sutlej valley left bank.	.....	...	...	...
Rampur City—		...	360	...	Good road bridged throughout and passable for laden animals.	.....	...	...	...
32	Nogri	13	372	...	.....	Nogri bridge	.....	S. and T. scanty, F. G. W. available.	Hamlet.
		...	377	4	...	Muehara "	3660	Ditto	Ditto.
33	Nirit	7	379	...	.....	.....	...	...	...
		...	381	...	.....	Dera "	...	...	...

34	Kotgarh <i>P. O., D. B.—</i>	...	10	...	389	...	.....	.....	.....	5600	S. F. G. W. and T. plentiful.	Tehsil, Mission Station and tea gardens.
35	Nagkunda <i>P. O., D. B.—</i>	...	10	6	399	6	High level road from Bagi joins in here, whence excellent road 10 feet wide fully bridged to Simla.	Leave Sutlej valley and follow to, of mountain range to Simla. .....	.....	8700	S. F. G. and T. moderate, W. scarce.	Small bazar.
36	Mattiana <i>P. O., D. B.—</i>	...	11	..	410	6	.....	.....	...	7690	S. scanty, F. G. W. and T. available.	Village.
37	Theog <i>D. B.—</i>	...	11	2	422	...	.....	.....	.....	7420	S. F. G. T. procurable, W. scanty.	Hamlet.
38	Fagu <i>P. O., D. B.—</i>	...	5	6	427	6	.....	.....	.....	8170	S. F. G. W. and T. moderate.	Ditto. Road to Chor Peak and Masuri branches off here.
	<i>Pokri bazar</i>	...	...	...	431	4	.....	.....	500 feet long.			
	<i>Mohasu neck</i>	...	...	...	433	6	.....	.....				
	<i>Mashobra tall bar</i>	...	...	...	436	4	.....	.....				
	<i>Tunnel</i>	...	...	...	438	...	.....	.....				
	<i>Sanioli bazar</i>	...	...	...	437	6	.....	.....				
	<i>Lukha bazar</i>	...	...	...	439	2	.....	.....				
39	Simla <i>P. O., T. O., Hotel, C.</i>	...	12	...	439	6	Carriage road me- talled and bridg- ed from Simla to Kalka. Tonga Service.	.....	.....	7200	S. F. G. and T. abundant, W. scanty in dry season.	Sanitarium and summer capital of India. Town, large bazar. Palace of H. E. the Viceroy of India.
	<i>Kiarighat</i>	...	...	...	455	6	.....	.....	.....			Village and bazar, small cantonment and brewery.
	Solon <i>P. O., T. O., D. B., C., E small—</i>	...	31	...	470	6	.....	.....	.....	5000	S. F. G. W. and T. available.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXVIII ROUTE—contd.									
	<i>Dharampur</i> <i>D. B.—</i>	...	470 6						
		...	482 6						
	Kalka <i>P. O., T. O., D. B.,</i> <i>Hotel, C., E.—</i>	27 ...	497 6	Hence by rail to Umballa.	....	.....	2200	S. F. G. W. and T. plentiful.	Large village and terminus of branch railway from Delhi and Umballa.
	Umballa	39 ...	536 6	.....	.....	.....	1040	.....	Large Military Cantonment and Civil Station.

At 345 miles another or high level road ascends the Manglad stream which it crosses by a bridge at 348 miles, gradual ascent through forest scenery by Moshun 351 miles, to Darun B., 356 miles; thence by Tola 360 miles and Nogri bridge 363 miles to Tachlech F. B., 366 miles, ascends through fine forest to crest of ridge 371 miles, then level to Bhali B., 376 miles, continues through fine forest to Soonghi B., 386 miles, situated on the ridge where the road from Rampur crosses the neck and descends into the Pabar and Tonso valleys; thence along the ridge to Kudreli F. B., 395 miles, Bagi D. B., 404 miles, and through fine forest under Hatu Pir 11,000 feet, to Nagkunda D. B., 416 miles, where rejoin regular Hindustan and Thibet road.

LXIX LEH TO SIMLA by RUPSHU and SPITI—

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
	Leh <i>P. O., D. B., C., E.—</i>	.. ..	.. ..	Road heavy, but passable for laden animals; yaks to left bank.	Up Indus valley, cross to left bank.	.....	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak, Take

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
LXIX	<i>ROUTE—contd.</i>	...	99	...	...	Crossed 3 streams.	 16600	S. F. T. nil, G. W. available.	Camping ground.
7	Sumkyl <i>E.—</i>	23	111	Road rough, ascent over two ridges of passes easy, descent stiff.	 Lachalung La. Up Tsurap valley. .....	.....	....	Ditto	Ditto.
8	Sumdu <i>E.—</i>	20	131	.....	.....	.....	....	Ditto	Junction of Tsurap river. Bridge 4 miles off.
	<i>Gian</i>	...	139	.....	.....	Tsurap ford	....	....	Ditto.
9	Sarchu Lingti <i>E.—</i>	20	151	Road easy and level.	Up Yunan valley.	.....	....	Ditto	
	<i>Phalang Danda</i>	...	155	.....	...	.....	....	Ditto	
10	Kilang <i>E.—</i>	11	162	Long and easy as- cent to pass.	.....	.....	....	Ditto	Ditto.
		...	165	...	.....	Yunan Tso	....	....	Lake
		...	174	...	Bara Jacha pass, down Chandra val- ley left bank.	.....	16200		

11	Topo <i>E.—</i>	...	18 ...	180 ...	Road rough and difficult.	.....	Chandra nala	.....	S. and T. nil, F. G. W. available.	Ditto.
12	Topo Koma <i>E.—</i>	...	9 ...	189 ...	.....	.....	.....	Ditto	Ditto.	
13	Chandra Dul	...	14 ...	203 ...	.....	.....	Sum Chikma lake.	... ..	S. and T. nil, F. G. W. available.	Camping ground.
14	Lichu	...	10 ...	210 ...	.....	Kunzam pass. Down Spiti valley right bank.	... ..	14930	.....	Ibex ground.
15	Lusar <i>Hansi</i>	...	9 ...	222 ...	Road good along high table-land.	.....	Cross to left bank	.....	S. F. G. W. and T. moderate.	Ditto.
16	Kioto	...	10 ...	232 ...	.....	.....	.....	.....	S. and T. scanty, F. G. W. procurable.	Small village.
17	Hal	...	11 ...	243 ...	Road good along high table-land.	.....	Cross to right bank.	.....	... ..	Junction of Lagu- darsi river.
18	Rangrik <i>Kaja</i>	...	10 ...	253 ...	.....	.....	Gyundi ford	.....	S. F. G. W. and T. procurable.	Village.
19	Lidang	...	12 ...	265 ...	Road fair	.....	Cross to left bank.	.....	Ditto	Ditto.
		...	...	271 ...	.....	Cross to right bank, up Pin valley on left bank.	.....	.....	S. and T. scarce, F. G. W. available.	Ditto.
		...	...	273 ...	.....	.....	Spiti bridge.	.....	.....	Junction of Pin and Spiti rivers.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
LXIX	<i>ROUTE—contd.</i>									
20	Sunam	...	273	...	...	...	Parachu bridge.	....	S. F. G. W. and T. moderate.	Large village.
	<i>Tilung</i>	16	...	280	...	....	Pin "	....		
	Muth	...	281	...	...	...	Ditto.	....	S. and T. scanty, F. G. W. available	Small village.
	<i>Buldur</i>	8	...	285	...	....	Ditto	....	S. and T. nil, F. G. W. plentiful.	Halting place.
21	Lyrsa	...	289	...	...	....		15000	S. F. T. nil, G. W. plentiful.	Ditto.
22	Ptiasa	...	302	...	...	....		....	S. and T. nil, F. G. W. plentiful.	Ditto.
	<i>Mulling</i>	22	...	311	...	....		....	S. and T. scarce, F. G. W. procurable.	Village
23		12	...	323	...	....		5361.		
24	Yangpa	...	327	...	...	....				
	<i>Wangtu B.—</i>	10	...	333	...	....				
		...	345	...	Join Hindustan and Thibet road to Simla.	Cross to left bank.	Sutlej bridge			

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
LXX	<i>ROUTE—contd.</i>									
3	Upshi <i>E.— Miru</i>	13	25	35	43	Up Gya ravine	.. ..	.....	S. F. G. W. and T. moderate.	Village.
4	Gya <i>E.— Tiarnak</i>	18	53	63	67	Steep and stony ascent and descent over pass. Tagalung La. Down Debring ravine. .....	.. .. ..... ..... .. ..	13500 17500.	S. and T. nil, F. G. W. available.	Camping ground.
5	Debring <i>E.—</i>	19	72	77	.....	.....	Debring ford	.....	Ditto	Ditto.
6	Zara <i>E.—</i>	7	79	.....	Road sandy along wide valley.	Down Zara valley.	.....	.....	S. F. T. nil, G. W. available.	Here leave route to Lachalung La. Tartar camp.
7	Sangtha	14	93	102	.....	.....	.....	.....	Ditto	Ditto.
8	Loon	9	114	120	Road through river gorge.	Up ravine Marang La.	.....	.....	Ditto	Ditto.
9	Takh	18	120	.....	.....	Up Tsarap valley.	.....	.....	S. and T. nil, F. G. W. available.	Hamlet.

10	Loon toon nu <i>E.—</i> <i>Gian</i>	...	9	...	126	...	.....	.....	Hot spring.	.....	S. F. T. nil, G. W. available.	Camping ground.
		...	...	...	129	.....	.....	.....	.....	.....	.....	
		...	...	...	133	Junction of road from Lachalung La.	.....	.....	Tsarap ford	.....	.....	Bridge higher up river.
		...	...	...	143	.....	.....	.....	.....	.....	.....	Ditto.
11	Sarchu Lingti <i>E.—</i> <i>Phalang Danda</i>	...	16	...	145	Road easy and level.	.....	Up Yunan valley.	.....	.....	Ditto	
		...	...	...	148	.....	.....	.....	.....	.....	.....	
12	Kilang <i>E.—</i>	...	11	...	156	Long and easy ascent to pass.	.....	.....	Yunan bridge	.....	S. F. T. nil, G. W. available.	Ditto.
		...	...	...	159	.....	.....	.....	Yunan Tso Lake.	.....	.....	
		...	...	...	165	.....	.....	Bara Lacha pass.	.....	16200.	.....	
		...	...	...	167	Road good down hill.	.....	.....	Suruj Dul Lake.	.....	.....	
		...	...	...	171	.....	.....	.....	Bhaga bridge.	.....	.....	
13	Zing Zing bar <i>E.—</i> <i>Tapachand</i>	...	17	...	173	.....	.....	.....	.....	.....	Ditto	Ditto.
		...	...	...	175	.....	.....	.....	.....	13060.	.....	
14	Patsio <i>C.—</i>	...	9	...	182	Road fair and pass- able for laden animals.	.....	Down Bhaga valley right bank.	Bhaga bridge	12464	S. T. F. nil, G. W. plentiful.	Fair held here for Kulu, Lahoul and Thibetan traders. Village.
15	Darcha	...	9	...	191	Road level and good, but very dusty all the way to Kailing.	.....	.....	.....	10844	S. F. G. W. and T. moderate.	
		...	...	...	192	.....	.....	.....	Kada Tokpo bridge.	.....	.....	
16	Kulang	...	10	...	201	Winding road down hill.	.....	.....	.....	.....	Ditto, F. scarce	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
LXX	<i>ROUTE—contd.</i>	...	...	201	...					
17	Kaling or Kardang. <i>P. O., B.—</i>	13	...	214	...	Up Chandra valley right bank.	Bhaga bridge	10100	S. F. G. W. and T. moderate.	Capital of Lahoul, Moravian Mission.
18	Gundla <i>B., E.—</i>	12	...	226	...	.....	2 hill torrents bridged.	10300	S. F. G. W. T. available.	Village.
19	Sisu <i>E.—</i>	9	...	235	...	.....	Sisu bridge, 5 hill torrents crossed by bridges.	9938	S. F. and T. scarce, G. and W. procurable.	Small village.
20	Koksar <i>B., E.—</i>	13	...	248	...	.....	Chandra bridge.	10260	S. F. and T. scanty, G. and W. plentiful.	Village.
				253	...	Rotang pass. Down Beas valley right bank.	.....	13500	...	This stage 14 miles long by regular mule road.
21	Rahla <i>Pulchun</i> <i>Burva E.</i>	10	...	258	...	.....	.....	9000	S. and T. nil, F. G. W. available.	Hamlet.
				261	...	.....	Solung bridge.			
				263	...	.....	.....	.....	S. and T. available	Village on plain.

22	Manali B., E.—	10	268 277	..... .....	..... .....	Manali bridge. Kuish	.....	.....	Ditto.
23	Katra B., E.—	13	281	.....	.....	Dobi	4723	S. F. G. W. and T. available.	Village.
24	Sultanpur P. O., D. B., E.—	12	285 287 293	..... ..... .....	Bridle road made and bridged throughout all the way to Nagkunda.	Raison Bandrol Beas Ditto	4092	S. F. G. W. and T. plentiful.	Capital of Kulu. Town, bazar, teshil and police thana.
25	Bajaora B., E.—	9	302	.....	.....	Kandi	3573	S. F. G. W. and T. procureable.	Small bazar and old ruined fort.
26	Larji B., E.—	12	305 314	..... .....	A new and more direct bridle road is being made by the Raja of Mandi to connect Simla with Manglaor.	Beas Synj Chata	.....	Ditto after notice	Hamlet at junction of Synj and Chata rivers.
27	Manglaor B., E.—	8	322 324	..... .....	Good climb up hill through woods with pheasants.	Ditto	3710 5718	S. F. G. W. and T. moderate.	Small village.
28	Jibi Plach P. O.—	9	325 331	..... .....	.....	Ditto	 5860	 Ditto after notice	Large village and teshil Small village.
29	Kot B., E.—	11	338 342	..... .....	Road along west side of hill, cool in morning, steep drop down to nala half way and correspond- ing rise.	Jalaori pass. Down Arni valley.	10600. 7750	S. F. G. W. and T. moderate.	Ditto.
30	Chowai B.—	9	351	.....	.....	Arni bridge	6162	S. F. G. W. and T. plentiful.	Cluster of villages.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXX	<i>ROUTE.—contd</i>	...	...						
31	Dularsh <i>P. O., B.—</i>	...	351 ...	Road uphill to pass, lovely views.	Cross spur, descent into Sutlej valley.	.....	....	S. F. G. W. and T. moderate.	Village.
		8 ...	359 ...	Long drop down to the Sutlej bridge 2 hours by pagdandi, similar climb up by short cut on south side.	.....	Sutlej bridge	2650	....	Called Lori.
32	Komarsen <i>B.—</i>	9 ...	368 ...	.....	.....	.....	.....	Ditto	Large village.
33	Nagkunda <i>P. O., D. B.—</i>	7 ..	375 ...	Long ascent uphill to join Hindustan and Thibet road, in excellent order along the mountain ridge to Simla.	Leave Sutlej valley and follow top of mountain range to Simla.	.....	8700	S. F. G. and T. moderate, W. scarce.	Small bazar.
34	Muttiana <i>P. O., D. B.—</i>	11 ...	386 ...			.....	7690	S. scanty, F. G. W. and T. available.	Village.
35	Theog <i>D. B.—</i>	11 2	397 2	.....	.....	.....	7420	S. F. G. T. procurable, W. scanty.	Hamlet.
36	Phagu <i>P. O., D. B.—</i>	5 6	403 ...	.....	.....	.....	8170	S. F. G. W. and T. moderate.	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXX^a	<i>ROUTE.—contd.</i>	...	...						
13	Chandra Dul	14 ...	183 ...	.....	.....	Sum Chikma Lake.	.....	S. and T. nil. G. W. available.	Halting place.
14	Karcha	13 ...	210 ...	Hard march over rocks and boulders brought down by avalanches to Chaktru.	.....	Chota Shigri torrent and moraine. Bara Shigri glacier and moraine. .....	... ..	S. and T. nil. F. G. W. available.	Camping ground.
15	Puti Runi	11 ...	221 ...	Shigri glacier site of huge mountain slip which blocked the Chandra river for some months.	.....	.....	.....	Ditto	Ditto.
16	Chahtru	12 ...	233 ...	Steep ascent, to pass, long and stony and easy descent, fair road through beautiful scenery all the way to Sultanpur.	.....	... ..	.....	S. and T. nil. F. G. W. procurable.	Opposite Purana Koksar.
17	Chika <i>E.—Hamta Prini</i>	13 ...	246 ...		Hamta pass. Down Raini valley left bank.	.....	14000.	S. and T. nil. F. G. W. available.	Halting place.
		... ..	254 ...			... ..	.....	.....	Junction of Raini nala with Beas river.
		... ..	256 ...		Down Beas valley left bank.	... ..	.....	.....	

18	Jagat suk <i>E.—</i> <i>Gojra</i>	...	12	...	258	...	.....	.....	Doangnu bridge. Splendid cascade. Chaki bridge.	5985	S. F. G. W. and T. moderate.	Village.
19	Nagar <i>E.—</i> <i>Kois</i>	...	9	..	267 272 275	... ... ...	..... ..... .....	.....	Beas bridge. Raogi " Kois "	5780	S. F. G. W. and T. ample.	Small civil station on left bank of Beas river.
20	Sultanpur <i>P. O., D. B., E.—</i>	...	13	...	280	...	.....	.....	.....	4092	S. F. G. W. and T. plentiful.	Capital of Kulu. Town, bazar and tehsil on right bank of Beas river.

The drawback to this alternative route is the difficulty of supplies and transport, which must be taken through from Leh and Sultanpur either way.
Route open from June to October.

LXXI LEH to JALANDHAR by KANGRA —

	Leh <i>P. O., D. B., C., E.—</i>	...	...	0	...	Road rough and stony, but passable for laden yaks.	Cross Indus valley.	.....	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak. Take supplies to Kailing.
1	Khawuch <i>Zinchan</i>	...	10	...	10	There are no supplies or transport available at the stages between Leh and Padam, and hence onwards both are scarce.	Up ravine southwards.	.. ..	10560.	S. F. G. W. and T. moderate.	Village.
2	Urucha	...	16	...	26	.....	.....	.....	.....	S. and T. nil, F. G. W. procurable.	Hamlet.
				29	...	Kunda La	.....	.....	16211.		

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXI	<i>ROUTE—contd.</i>	...	29 ...						
3	Skio	12 ...	38 ...	Road ascends Markha valley crossing many spurs and ravines to Gonpa.	Up Markha valley.	Cross Markha river several times.	11120	S. and T. nil. F. G. W. procurable.	Hamlet.
4	Chaluk	12 ...	50 ...	.....	.....	.....	.....	Ditto	Ditto.
	<i>Markha</i>	...	56 ...	.....	.....	.....	12510.		
5	Gonpa	9 ...	59 ...	.....	Up Kuberung Chu.	.....	.....	Ditto	Ditto.
6	Camp	10 ...	69 ...	.....	.....	.....	.....	S. and T. nil, F. G. scanty, W. available.	Camping ground.
			73 ...	Difficult pass both in ascent and descent.	Ruberung La, down Ruberung Chu.	.....	.....		
7	Khurna Sumdo	15 ...	84 ...	.....	.....	Cross Khanuk river.	.....	Ditto	Ditto.
8	Tilut Sumdo	9 ...	93 ...	... ..	Across Khanuk Valley.	.....	.....	Ditto	Ditto.
9	Tomtokh	9 ...	102 ...	.....	Up Charcha Chu.	.....	.....	Ditto	Ditto.

							Pass rough and difficult on both sides.	Charcha La.							
10	Zumlung	...	13	...	109	...	...	...	...	...	...	...	Ditto.		
11	Zozar	...	15	...	130	...	Join here regular road from Leh to Zanskar by Yel- chung.	...	...	...	...	11503	T. nil, S. F. G. W. procurable.	Hamlet and bridge over Zanskar river.	
12	Thonde	...	7	...	137	...	...	...	...	...	...	11460	Ditto	Hamlet.	
13	Padam	...	9	...	146	...	Road fair and pass- able for laden animals to Kargyah.	...	...	...	Tsarap Lingti Chu bridge.	11373	S. F. G. W. and T. procurable.	Fort, village and former capital of Zanskar.	

From Gonpa 59 miles, a track continues south-eastwards up the Markha valley by Hankar 67 miles, Nimaling maidan 75 miles, over the Chaksang La 83 miles, to Latho 93 miles, in the Gya valley at 45 miles of Route LXX.

From Hankar 67 miles another track goes south up the Luntung Chu over the Kurpola 17,050 feet 83 miles, down the Khurna Chu, by Khurnakur 74 miles, Kurto huts 77 miles, up the Onatu Chu, by Khanuk 85, over the Yar La 16,180 feet, 103 miles down the Lungma Chu to Sangtha 115 miles, in the Zara valley at miles 93 of Route LXX.

	<i>Burdun Gonpa</i>	...	...	...	153	...	Road along both banks of river from Padam to Pipchu.	Up Tsarap Lingti valley, cross to left bank.	Tsarap bridge. Chema Che- kore bridge.	...	...	...	S. and T. precarious, F. G. W. available.	Hamlet.	
	<i>Pipchu</i>	...	...	...	154 157	...	...	...	Reru Tokpho bridge.	...	...	...	Ditto, F. scarce.	Ditto.	
14	Reru <i>E.—</i>	...	15	...	161	...	...	...	...	...	...	12800	.....	Village on right bank.	
15	Sarleth <i>E.—</i> <i>Char</i>	...	13	...	174	...	...	...	Junction of Nirichu.	...	...	...	.....		

NUMBERS OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXXI	<i>ROUTE—contd.</i>	...	176 ...						
16	Tetha <i>E.—</i>	9 ...	183 ...	.....	Up Kuryahchu valley.	 Gian built bridge.	.....	S. and T. precarious, F. scarce.	Hamlet.
17	Kargyah <i>E.—</i>	11 ...	194 ...	Hence two roads to Kailings, one over Shingo La, and the other over Phirtse La, by Sarchu Lingti. .....	.....	.....	13670	S. F. G. W. and T. procurable.	Village and extensive grazing ground.
18	Lakong	9 ...	203 ...	.....	.....	.....	... ..	S. F. T. nil, G. scarce, W. plentiful.	Halting place.
19	Ramjak	14 ...	217 ...	Road fairly easy on both sides of pass. Road bad for ponies passable with care.	Shingo La down Lingkyung valley. .....	.....	16722.	S. and T. nil, F. G. scarce, W. plentiful.	Ditto.
20	Dak bajan	10 ...	227 ...	.....	.....	.....	.....	S. and T. nil, F. G. W. available.	Ditto.
			236 ...	.....	.....	Bangyo "	.....		

21	Darcha <i>C., E. on right bank.</i>	10	...	237	...	Here join the Lahoul and Rupsu road. Bhaga valley well cultivated, road very dusty to Kailing.	Down Bhaga valley along right bank. ... ..	.....	10844	S. F. G. W. and T. procurable.	Village on left bank of Bhaga river.
22	Kulang <i>E.—</i>	10	...	247	...		... ..	.....	.....	Ditto	Village.
23	Kailing <i>P. O., D. B., C., E.—</i>	12	...	259	...	Road shady from planted willow trees for 4 miles. Road easy with exception of narrow part round rocks, and with many ups and downs and crossing many hill torrents to Koksar.	Cross to left bank. Up Chandra valley right bank.	Bhaga bridge	10100	S. F. G. W. plentiful, T. available.	Capital of Lahoul Moravian Mission.
24	Gundla <i>B., E.—</i>	12	...	274	...		.....	2 Hill torrents bridged.	10300	S. F. G. W. and T. available.	Village.
25	Sissu <i>E.—</i>	9	...	280	...		.....	Sissu bridge 5 hill torrents bridged.	9938	S. F. T. scarce, G. W. procurable.	Small village.
26	Koksar <i>B., E.—</i>	13	...	293	...	.....	.....	Chandra bridge.	10260 13500.	S. F. T. scanty, G. W. plentiful.	Village.
27	Rahla <i>B., E.—</i> <i>Pulchun</i> <i>Barva</i>	10	...	303	...	Ascent and descent of pass very steep, very cold and keen high wind after 9 A.M. By mule road 14 miles.	Down Beas valley, along right bank.	 Solung bridge.	9000	S. and T. nil, F. G. W. available.	Hamlet. Village on plain.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXI	<i>ROUTE—contd.</i>	...	308 ...						
28	Manali <i>B., E.—</i> <i>Baran</i>	10 ...	313 ...	Road very good through woods and lovely scenery.	.....	Manali bridge	.....	S. F. G. W. and T. procurable.	Village.
29	Katra <i>B., E.—</i>	13 ...	326 ...	.....	.....	Kuish "			
30	Sultanpur <i>P. O., D. B., C.—</i>	12 ..	338 ...	Road very good up hill to Kuraun.	.....	Dobi "	4723	S. F. G. W. and T. available.	Near Dwara small town.
31	Kuraun <i>B.—</i>	8 ...	346 ...	Easy ascent to pass through grand forest of pines, descent steep and bad.	.....	Raison " Beas "	4092	S. F. G. W. and T. plentiful.	Capital of Kulu. Town, bazar, tehsil.
32	Badwani <i>Mandi.</i> <i>B.—</i>	10 ...	356 ...	First half of this march fairly level, then stiff descent of 4 miles and climb of 3 miles.	Babu pass Across Ool valley.	..... ... ..	9480. 6700	S. F. G. W. and T. moderate. Ditto	Village. Ditto, lovely view looking south.
33	Jhatigri <i>Mandi.</i> <i>B.—</i>	13 ...	369 ...	.....	.....	.....	660	Ditto	Ditto B. on top of ridge between two ranges.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
LXXI	<i>ROUTE.—contd.</i>	...	422	4					
38	Kangra <i>P.O., T.O., D.B., C., E.</i>	9	425	...	Down Bangunga valley.	.....	2400	S. F. G. W. and T. plentiful.	Ancient fort, large town and bazar. Devi temple frequented by pilgrims.
	<i>Daulatpur</i>	...	426	4	.....	Bangunga bridge.	2100	...	Large bazar.
		...	430	4	.....	.....			
		...	434	4	.....	Ditto.			
39	Ranital <i>B., C., E.—</i>	11	436	...	.....	.....	2000	S. F. G. W. procurable, T. nil.	Small village.
			440	...	Bhagrot saddle.				
40	Gopipur Dehra <i>P. O., D. B., E.—</i>	13	449	...	Across Beas valley.	Beas bridge of boats.	1400	S. F. G. W. and T. available.	Town, bazar, telisil and schools.
			452	...	.....	Gopipur rao.			
41	Bharwain <i>Kinno</i>	11	460	4	Summit of Sewalik range.	.....	3000	Ditto after notice, W. scanty.	Small village.
		...	463	4	.....	...	2400	.....	Ditto.

42	Gugret <i>B., C., F.—</i>	...	13	...	471	4	sandy and heavy.	.....	Sohan ford	.....	.....	Road 3 miles E. to Umb. Hamlet and shops.
43	Manguwal <i>B., E.—</i>	...	7	...	473	4	.....	Cross Jeswunt Doon. Nain pass.	.....	.....	Ditto	
44	Hoshiarpur <i>P.O., D., B., C., E. confined—</i>	...	8	4	476	4	Easy ascent and descent.	Southern base of Sewalik hills.	.....	.....	S. and T. nil, F. G. W. procurable.	Halting stage.
45	Adampur <i>Nasrala</i>	...	14	...	480	4	.....	.....	Maskara rao.	.....	.....	
46	Jalandhar <i>P.O., T.O., D.B., C., E.</i>	...	11	...	483	...	Hence cart-road bridged and metalled to Hoshiarpur, where dak gharis are procurable.	.....	Chooa rao	1055	S. F. G. W. and T. ample.	Small civil station, town and bazar.
					489	..	.....	.....	.....	880	Ditto after notice	Small village.
					501	...	.....	.....	Nasrala rao.	778	S. F. G. W. and T. abundant.	Station on N.-W. Railway. Civil station and military cantonment.

A new line of railway will shortly be commenced to connect Hoshiarpur with Jalandhar.

LXXI_a KHURNA SUMDO TO CHAR—

7	Khurna Sumdo ...	...	84	.	Very rough and difficult path.	.....	.....	S. T. nil, F. G. scarce, W. plentiful.	Halting place.
8	Lapurba ...	8	...	92	...	.....	.....	Ditto	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
LXXI	<i>ROUTE—contd.</i>	...	...	92	...		.....	18530.		
9	Niri Sumdo	...	16	...	108	...	.....	.....	S. T. nil, F. G. scarce, W. plentiful.	Halting place.
10	Niri	...	12	...	120	...	.....	.....	Ditto	Ditto.
11	Shadi	...	10	...	130	...	Niri Chu bridge.	.....	S. and T. nil, F. G. W. procurable.	Village.
	<i>Tantak Gonpa</i>	...	...	...	134	...	.....	.....	.....	Monastery.
12	Yaytah	...	11	...	141	...	Botkung bridge.	.....	Ditto	Hamlet.
13	Phooktal Gonpa	...	8	...	149	...	Niri Chu bridge.	.....	S. F. G. W. and T. moderate.	Monastery.

14	Char	...	6	...	155	...	...	...	Tsarap Lingti Chu bridge.	12800	Ditto	Village at junction of Niri Chu and Tsarap Lingti Chu.
									..			

From Botkung bridge 139 miles, there are paths either up the Shoon river or over the Nialo kontse La and Gotoonta La 16,500 feet, to Kormoch 153 miles, Mane Leh 159 miles, Sutak 166 miles, Takh 175 miles at mile 120 of Route LXX leading to Lahoul.

LXXII. LEH TO AMRITSAR by KISHTWAR and CHAMBA—

	Leh <i>P. O., D. B., C., E.—</i> <i>Pitak</i>	...	...	...	...	On main road to- wards Dras and Srinagar as far as Nimu.	...	...	...	11500	S. F. G. W. and T. abundant.	Town, fort and Capital of Ladak.
1	Nimu	...	18	2	18 2	Cross Indus river and ascend Zans- kar valley, road fair passable for yaks.	19	...	Up Zanskar valley.	.....	S. F. G. W. T. moderate.	Village. Below junction of Zanskar and Indus rivers.
2	Ezas <i>E.—</i>	...	15	6	34	.....	34	...	Up Sundak foo.	.....	S. and T. nil F. G. W. available.	Small village.
3	Drogulika <i>E.—</i>	...	9	...	43	Long easy ascent and descent from pass.	43	...	Choke La	.....	Ditto	Ditto.
4	Hinjoo <i>E.—</i>	...	10	...	53	.....	53	...	.....	13513.	Ditto	Ditto.
5	Phanjila <i>Soondo</i>	...	9	...	62	Here join road from Lania Yuru to Zanskar.	62	...	..	.....	S. and T. nil, F. G. W. procurable.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEAL LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
LXXII ROUTE—contd.									
6	Honupatta <i>E.—</i>	7	65	Road good and passable for laden animals.	 Sir Sir La.	.....	12400 16372.	S. F. G. scarce, W. plentiful, T. nil.	Village.
7	Photaksur <i>E.—</i> <i>Maling</i>	13	82	Road through the hills, crossing numerous spurs and ravines and with easy ascents and descents over passes.	 Singi La.	.....	12900 16600.	S. F. G. W. procurable, few coolies. Cultivated valley 6 miles.	Ditto.
8	Yelchung <i>E.—</i>	16	98 100 103	..... ..... .....	..... Chochu Bori La.	.....	12730 10819.	S. precarious, T. nil, F. G. W. scanty.	Small village.
9	Naerung	6	104 110	 Road fair through low hills inland across a bend of the Zaskar river.	 Nera La.	.....	..... 16000	S. and T. nil, F. G. W. procurable.	Ditto.
10	Pangot	10	114	.....	.....	.....	.....	Ditto	Halting place.
11	Khurnafoo	10	124	.....	.....	.....	13050	Ditto	Ditto.
			129	.....	Chelong Labho.	.....	14530.		

12	Zang la	...	13	...	137	...	.....	.....	.....	S. F. T. scarce, G. W. plentiful.	Village on right bank Zanskar river.
13	Zozar	...	6	...	143	...	Leave main Zanskar road and continue up left bank of Doda river.	Up Doda valley on left bank.	Zanskar bridge.	T. nil, S. F. G. W. procurable.	Village and bridge over Luna Sampa or Zanskar river.
14	Kursha	...	12	...	155	...	.....	.....	.....	S. F. G. W. and T. moderate.	Village and monastery opposite junction of Doda and Luna Sampa rivers.
15	Ating	...	...	...	165	...	Here join road from Zanskar to Suru.	Cross to right bank.	Doda bridge.	S. F. G. W. procurable, few coolies.	Village.
16	Gowra <i>E.—</i>	...	10	...	171	...	.....	Up Bardur valley	.....	12020	
	<i>Sunchun Gonpa</i>	...	...	...	177	...	Continuous glacier and snow fields from Huttra to Bujwas.	.....	.....	13542	Halting place.
	<i>Huttra</i>	...	...	...	187	...	.....	.....	.....	16109.	
17	Bugjan Hiwan <i>E.—</i>	...	13	...	191	...	Steep ascent to pass, over glacier and snow fields, level plateau and steep descent.	Unasi La. Down Bhetna valley.	.....	17370	Open 3 months June to August inclusive.
18	Bujwas	...	7	...	194	...	.....	...	.....	15500	Ditto.
19	Bumjan	...	...	...	201	...	.....	.....	.....	11570	Ditto.
	<i>Sumjan</i>	...	...	...	205	...	Easy path from Sunjam through cultivated valley to Atholi, passable for laden animals.	.....	.....	11000	Sapphire mine in vicinity.
	Machail <i>E.—</i>	...	8	4	209	4	.....	.....	.....	9700	Village.
20	Kundhel Umshil	...	11	...	220	4	.....	.....	Bhetna bridge	7660	Ditto.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.							
LXXII ROUTE—contd. ...										
21	Atholi or Gulabgurih. E.—	11 ...	231 ...	4	From Atholi difficult path, high above river, crossing numerous side gorges with considerable ascents and descents, practicable for unladen ponies to Bagni, whence easy road to Kishtwar.	Down Chandra Bhaga valley left bank.	Bhetna bridge and Chandra Bhaga rope bridge.	6360	S. F. G. W. and T. moderate.	Village and fort, chief place of Padar.
22	Siri	14 ...	245 ...	4		.....	.....	8700	S. and T. nil, F. G. W. available.	Hamlet.
23	Piyas	9 4	255 ...	...		.....	.....	6320	Ditto.	Ditto.
24	Bagni	11 ...	266 ...	...		.....	.....	.....	S. scanty, F. G. W. plentiful, T. available.	Small village.
25	Kishtwar P. O., E.—	13 ...	279 ...	...	From Kishtwar road fair and narrow in places, following the windings of the Chenab river and passable for laden animals.	.....	.....	5400 5000	S. F. G. W. and T. ample.	Town, fort, bazar on elevated plateau head quarters of district.
26	Joshni E.—	15 ...	294 ...	...		.....	.....	.....	S. T. nil, F. G. W. procurable.	Village.
27	Janglwar E.—	6 ...	300 ...	...	.....	Ascend hill range.	Karney Gad bridge.	3670	S. F. G. W. and T. available.	Ditto.
			306 ...	...	.....	Chira gully.				

28	Jaora <i>E.—</i>	...	8	...	308	...	Summer road rises to ridge of hill, along which it keeps to Chinta, then descends to Budrawar, winter or lower road by Jagud.	.....	.....	.....	S. F. G. W. plentiful, T. procurable.	Ditto.
	<i>Chinta</i>	...	...	...	322	...						
29	Budrawar <i>P. O., E.—</i>	...	17	...	325	...	Road good and passable for laden animals, crossing several small streams up cultivated valley.	.....	Neru bridge	5427	S. F. G. W. and T. ample.	Capital of Budrawar, Jagir of Raja Sir Amar Singh, K. C. S. I. Town, fort and bazar.
30	Thenala	...	8	...	333	...	.....	.....	.....	....	S. and T. nil, F. G. W. plentiful.	Iron mines.
					335	...	Long ascent to pass and steep descent down stony bed of stream.	Padri pass. Down Kandi Marl valley.	.....	9000.		
31	Langera <i>E. on roof of kuta,</i>	...	14	6	347	7	.....	Down Shoon valley.	.....	5982	Ditto	Hamlet.
32	Bhandal <i>Digi</i>	...	12	...	359	6	Road rough, hilly and stony to Chamba.	.....	.....	5679	S. F. G. W. and T. available.	Large village.
			...	...	364	...		.....	Shoon ferry.	.....	.....	Ditto.
33	Manjери <i>B. E.—</i>	...	14	...	373	6	.....	Across Sachi valley.	Sachi bridge	.....	Ditto	Ditto.
	<i>Rajnager</i>	...	...	...	380	...	.....	Cross Rajnager spur.				Capital of Chamba, residence of Raja.
34	Chamba <i>P. O., D. B., C., E.—</i>	...	16	...	389	6	.....	.....	Ravi bridge	3000	S. F. G. W. and T. abundant.	Large town and bazar.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.	
		INTER-MEDIATE. m. f.	TOTAL. m. f.							
LXXII	ROUTE—contd.									
35	Rareri	...	389	€	.....	.....	.....	S. F. G. W. and T. procurable.	Village.	
	Mankot	...	6	395	6	.....	.....			
		...	...	400	...	Mankot gully	.....			
36	Chuari	12	407	6	.....	.....	.....	Ditto	Customs post.	
	B. C., E.—	...	...	...	.....	.....	.....			
	Jaji	...	...	414	...	.....	Chuki ford.			
37	Nurpur	16	423	6	Join cart-road from Kangra to Palthankot.	.....	2050	S. F. G. W. and T. ample.	Ancient fort and town. Large bazar and tehsil.	
	P. O., D. B., C., E.	...	432	6	.....	.....	1300			
		16	439	6	.....	.....	950	S. F. G. W. and T. plentiful.	Town and large bazar, terminus of branch railway.	
38	Puthankot	23	463	...	By Amritsar branch of North Western Railway.	.....				
	P. O., T. O., hotel, C., E.	...	...	483		...				
	Gurdaspur	20	...	507		...				
	Batala	24	...	...						
	Amritsar	...	...	...						
	P. O., T. O., hotel, C.	...	...	...						

XXIIa ZOZAR to CHAMBA by POAT LA and SACHI PASSES.—Map, Rose.—Distances approximate.

13	Z zar	...	...	...	143	...	This route though shorter is much more difficult and crosses much higher mountain passes.	Up Doda valley right bank.	... ..	11583	S. F. G. W. procurable, T. nil.	Hamlet and bridge over Zanskar. or Luni Sumpu river. Small village.
14	Thonde <i>E.—</i>	...	7	...	150	...	.....	.....	.....	11460	Ditto	
15	Padam <i>E.—</i>	...	9	...	159	...	.....	Up Tsarap Lingti valley.	'sarap Lingti bridge.	11373	S. F. G. W. and T. procurable.	Village and Fort, former Capital of Zanskar. Monastery.
16	<i>Burdun Goupa</i>	...	...	...	165	...	.....	.....	.....	...	.....	Hamlet.
	Chemo Chekore	...	10	...	169	...	...	Up Tema Tokpho valley.	...	.....	S. and T. nil, F. G. W. available.	
	<i>Chimi Chenmo</i>	...	...	...	174	...	...	.....	.....	.....	Ditto	Halting place.
17	Kanjoo	...	11	...	180	...	The glaciers and snow fields extend from Kanjoo to the Camp at head of the Kilar nala about 43 miles. The ascent and descent of Poat La are not difficult, but the ascent of Shinkil pass are extremely rough, steep and difficult.	Poat La	.....	18752.	Ditto	
18	Danga	...	19	...	199	...	.....	Across head of Danlong valley.	Danlong ford.	.....	Ditto	Ditto.
19	Camp	...	24	...	211	...	.....	Down Kilar valley.	.....	.....	Ditto	Ditto.
20	Kilar <i>E.—</i>	...	9	...	223	...	.....	Cross Chandra Bhaga valley.	Chandra Bhaga bridge.	8411	S. F. G. W. and T. procurable.	Village in Pangl.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m. f.	m. f.						
LXXII^a ROUTE—contd.									
21	Halias	...	232 ...	Steep ascent from Chandra Bha ga river and easy descent. Long and narrow glacier on summit.	.....	.....	.....	S. and T. nil, F. G. W. available.	Halting place in Chamba.
22	Alwas <i>E.—Baira</i>	15 ..	247 ...	.....	Sachi pass	.....	14328.	Ditto	Hamlet.
23	Tisa <i>E.—Tikri</i>	12 ...	262 ...	Road fair and stony to Chamba down Sachi valley to Tikri, thence branching up Chanju valley to near Chanju, crossing a low range of hills and down the Hul valley to the Ravi.	.....	Debri nala.	6997	S. F. G. W. and T. moderate.	Large village.
24	Kalel	12 ...	275 ...	.....	Up Chanju valley.	Chanju bridge	5060	Ditto	Village.
25	Masrund	9 ...	280 ...	.....	Banjah pass. Down Hul valley right bank.	.....	6376	Ditto	Ditto.
26	Chamba <i>P. O., D. B., C., E.—</i>	12 ...	289 ...	.....	Ravi valley	Ravi bridge	3033	S. F. G. W. and T. abundant.	Large town and bazar. Capital of Chamba State. Residence of Raja.

LXXIII LEH to JAMMU by ZANSKAR and BUDRAWAR—See ROUTE XVII.

LXXIV LEH to SRINAGAR by DRAS and SINDH VALLEY—See ROUTE LI.

Ditto by SURU—See ROUTE LII.

LXXV LEH to GILGIT by INDUS VALLEY—See ROUTE LXVI.

LXXVI LEH to SKARDU by SHAYOK VALLEY. Drew, Neve, Knight, Wachtmeister.—Distances approximate.

Leh <i>P. O., D. B., C., E.</i>	...	...	0 ...	Follow ordinary road towards Srinagar as far as Khalsi, then instead of crossing bridge keep down Indus valley to the junction of the Hanu valley.	Down Indus valley right bank.	.....	11500	S. F. G. W. and T. abundant.	Large town and fort. Capital of Ladak. Palace of Gialpoor Raja.
<i>Pitak</i>	...	...	4	2	.....	.....	10500	.....	Village and Monastery.
1 Phayang Dokpo <i>B.</i>	7	2	7	2	.....	Lunachmofoo	.....	S. and T. nil, F. G. W. procurable.	Ditto.
<i>Nimu B., E.</i>	...	...	18	2	.....	Nimu Drokpo.			
2 Bazgo <i>B., E.</i>	15	...	22	2	.....	Bazgo "	11058	Ditto	Large village.
<i>Tarutse</i>	...	...	29	2	.....	Likir "	.....	.....	Likir Monastery, 2 miles up valley.
3 Hemis Shukpa	15	6	38	...	Road rough and in bad order to Nurla, crossing low hills and through a gorge to the Indus.	.....	.....	S. and T. scanty, F. G. W. available.	Village and Monastery on high plateau, grove of pencil cedars.
<i>Tinisgam</i>	...	...	45	...					

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXXVI ROUTE—contd.									
4	Nurla <i>B., E.—</i>	...	45 ...	.....	...	Phocha Drokpo.	.....	S. F. G. W. and T. moderate.	Village.
5	Khalsi <i>B.—</i>	6 ...	55 ..	Road fair along the Indus crosses many spurs and ravines.	Keep to right bank.	Skinning Cho.	.....	S. and T. scanty, F. G. W. procurable.	Ditto.
	<i>Doomkhar</i>	...	57 ... 65 ...	.....	.....	Indus bridge Doom Khar Cho.	10000	.....	Fort and bridge over Indus river.
6	Skirbichan <i>Achi natung</i> <i>Nubbi branskar</i>	16	71 ... 79 ... 84 ...	..... ..... .....	..... ..... Up Hanu valley.	Kirboo Chand bridge. Broglow.	.....	S. nil, T. scanty, G. F. W. available.	Village, cultivation.
7	Goma Hanu <i>E.—</i>	18 ...	89 ... 102 ...	Long and easy ascent to and descent from pass.	Chorbat pass. Down Chorbat Loongma.	..... .....	..... 16696.	S. F. G. W. and T. moderate.	Village.
8	Cam	21 ...	110 ...	.....	.....	.....	.. ..	S and T. nil, F. scarce, G. W. plentiful.	Halting place in Baltistan.

9	Piun or Paxfain E.—	9	119	...	Road fair and stony, crossing many spurs and ravines.	Down Shayok valley left bank. .....	.....	.....	S. F. G. W. and T. procurable.	Picturesque village.
	<i>Kustang</i>	...	123	...			Kustang Brok.			
	<i>Kubar</i>	...	126	...	.....	.....	Kubar Longna			
10	Dau	10	129	...	.....	.....	...		Ditto	Village on hill.
	<i>Lunkha</i>	...	133	...	.....	.....	Lunkha Brok.			
11	Sirmu	11	140	...	.....	.....	Sirmu Brok.			Small village.
12	Khapalu E.—	7	147 149	...	Road good and sandy.	Cross to right bank.	 Shayok ferry or skin raft.	8400	S. F. G. W. and T. moderate.	Large village and Raja's palace.
13	Kerka E.—	10	157	...	Road fair along irrigated terraces	.....	Narul Loomba	8356	S. and T. nil, F. G. W. moderate.	Large village.
	<i>Davanu</i>	...	161	...	.....	.....	Thulle "	.....	.....	Road branches by Tusserpo La to Shigar. Village.
14	Kuru	16	173	...	Path over sand along the Shayok river.	.....	Kuru "	7992	Ditto	
15	Kiris E.—	9	182	...	.....	.....	Kiris "	.....	S. W. and T. moderate, F. G. scarce.	Large village.
	<i>Ghoro</i>	...	185 193	...	Path over sandy hills high above the Indus, views very striking.	Down Indus valley right bank.	 Ghoro "	7673	.....	Junction of Shayok and Indus rivers.
16	Narh E.—	14	196	...	.....	.....	Narh "	.....	S. and T. scarce, F. G. W. moderate.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXXVI ROUTE—contd.									
		...	196	...	Join Shigar and Skardu road over sand, gravel and dust.				
			206	...					
			209	4		Cross to left bank.			
17	Skardu <i>P. O., T. O., C., E.—</i>	17	...	213	.....	Indus ferry.	7400	S. F. G. W. and T. abundant.	Town and fort, capital of Baltistan.

Take supplies from Leh to Gona Hanu, hence to Piun, hence to Khapalu, and the same on the reverse way. Summer route open from June to October.

Winter route by Indus valley, crossing at Khurnang to the Dras and Skardu road.

Marches 11 and 12 of 18 miles can be shortened to 14 miles by avoiding Sirmu, though the short cut is rough and stony over an hill spur.

LXXXVI^a LEH to KHAPALU by SHAYOK VALLEY — *Map, Thomson.—Distances approximate.*

	Leh <i>P. O., D. B., C., E.—</i>	...	...	0	...	Ordinary road from Leh to Phayang Dokpo whence turn up a side valley to its source under the Lasir-mou Peak over the Thanglasgo	.....	11500	S. F. G. W. and T. abundant.	Capital of Ladak. Town and fort. Palace of Gialpoor Raja.
	<i>Pitak</i>									
1	Phayang Dokpo <i>E.—</i>	7	2	7	2	Up Lunachmo foo.	Lunachmo foo.	.....	S. F. G. W. and T. procurable.	Monastery.

<i>Choma</i>		14	...	14	...	La and down this and the Pal- zampin ravines to the Shayok valley.	 Thanglasgo La. Down Thanglasgo ravine.	..... ..... .....	..... 16960.	S. and T. nil, G. F. W. scanty. Ditto	Halting place. Ditto
2	Lunachmo	...	12	6	...	...	...	.....	.....	.....	.....
3	Brok Guma <i>Wachan</i>	...	23	...	43	...	.....	.....	.....	Ditto	Ditto
4	Hungar <i>left bank</i> <i>E.—</i>	13	...	56	...	Road fair to Um- naru, and rough to Koro, where it branches up aside valley crossing many spurs to Waris.	Down Shayok valley left bank.	Palzam piu Loongna.	10300	S. F. G. W. and T. moderate.	Large village and orchards.
5	Thaise <i>left bank</i>	11	...	67	...	.....	Cross to right bank.	Shayok ford	.....	S. and T. nil, F. G. W. available.	Village.
6	Umuaru <i>right bank</i> <i>E.—</i>	8	...	75	...	.....	.....	Unmari Loongna.	.....	S. F. G. W. and T. moderate.	Ditto.
7	Koro <i>right bank</i>	10	...	85	...	.....	Up Waris Loongna.	.....	10300	S. and T. nil, F. G. scanty, W. plentiful.	Halting place.
8	Waris <i>Zdong polas</i>	...	10	...	95	...	Hence it rises sharply over 2 main spurs and descends again to the Shayok river. Ascent and descent of passes very steep and abrupt.	Waris Loongna.	 12494.	Ditto	Hamlet.
	<i>Shapa</i>	...	...	100	...	102	...	Lagopo La Down Biagdang Loongna. Down Shayok valley.	13143.		
9	Biagdang <i>right bank</i>	10	...	105	...	Road fair and easy with many ups and downs.	Down Shayok valley.	Biagdang Loongna.	11700	S. and T. precarious, F. G. W. plentiful.	Village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXXVI^a	<i>ROUTE—contd. ...</i>	...	105 ...						
10	Chalunka <i>right bank</i>	10 ...	115 ...	.....	.....	Chalunka Loongma. { Shayok bridge } { Turtuk " }	... ..	S. and T. precarious, F. G. W. plentiful.	Village.
11	Turtuk <i>left bank</i> ...	9 ...	124 ...	.....	....	.....	... ..	Ditto	Ditto.
12	Prahnu <i>right bank</i> <i>E.—</i>	14 ...	138 ...	.....	.....	Shayok "	8740	S. F. G. W. and T. moderate.	Large village, well cultivated.
13	Piun <i>left bank</i> ... <i>E.—</i>	12 ...	150 ...	Join summer route from Leh by Chorbat pass. } See Route LXXV I, marches 9 to 12.	.....	... ..	.....	S. F. G. W. and T. procurable.	Village.
16	Khapalu <i>left bank</i>	28 ...	178 ...				8400.		

LXXXVI^b KHAPALU TO SHIGAR by THULLE LA or TUSERPO LA.—Distances approximate.

12	Khapalu ...	...	147 ...	Road good and sandy.	Cross Shayok river from left to right bank.	Shayok ferry or skin rafts.	.....	S. F. G. W. and T. plentiful.	Large village and Raja's palace.
13	Kerko ...	8 ...	155 ...	.....	Up Thulle valley.	.....	8356	S. F. G. W. and T. moderate.	Large village.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXVII LEH to YARKAND and KASHGAR by NUBRA VALLEY, KARA KORAM PASS and KILIAN PASS.									
<i>Tabistani or Summer route. Drev, Trotter, Beller, Biddulph, Lansdell.—Distances approximate.</i>									
1	Leh <i>P. O., D. B., C., E.—</i> <i>Ganles</i>	...	0	Road rough and stony.	Up ravine north of Leh.	...	11500	S. F. G. W. and T. abundant. Take through supplies and transport to Yarkand.	Large town and fort. Capital of Ladakh. Palace of Gialpoor Raja. Residence of Wazir and British Joint Commissioner.
	Camp	12	12	Ascent to pass by a very steep and stony zigzag, descend down a steep snow field over moraine banks and down a mountain torrent to the Shayok valley.	Khardong or Lachhi La, cross Shayok valley and up Nubra valley along left bank.	.....	15000 17800	S. and T. nil, F. G. W. scarce.	Halting place.
2	Khardong <i>E.—</i> <i>Khartsar</i>	15	27			....	13500	S. and T. nil, F. G. W. available.	Yaks necessary over this pass. Village on plateau.
3	Satti <i>E.—</i>	12	39	Road fair down Shayok valley and then up Nubra	.....	Shayok ferry	10430	Ditto.	Village in fertile and cultivated valley.

<i>Tirit</i>	..	..	..	46	..	valley, passing several populous villages, well cultivated.	.....	Sumur Loongma. Chamsing "	10030	S. and T. scarce, F. G. W. procurable.	Ditto, orchards and much cultivation.
4 Tagar	..	15	..	54	..	.....	..				
<i>Chamsing</i>	..	..	..	59	..	.....	..				
<i>Popchick</i>	..	..	..	61	..	.....	..				
5 Panamik <i>E.—</i>	..	13	..	67	..	.....	.....	Hot Springs	10840	S. F. G. W. and T. moderate.	Ditto, complete supplies here for onward journey.
<i>Pokachai</i>	..	..	..	69	..	.....	..	Poka chu			
	..	..	..	75	..	.....	.....	Tutyalak "			
6 hunglung <i>E.—</i>	..	11	..	78	..	Here leave N u- bra valley.	Up Tutyalak ravine over	Hot Springs	10760	Ditto	Village last to be met in Ladakh.
	..	..	..	81	..	Steep zigzag ascent and descent over pass.	Karawal Dawan.	.....	17000.		
7 Tutyalak or Pangdongsta.	..	11	..	89	..	Road most difficult and dangerous from snow avalanches, moraine slips and sudden floods.	.....	.....	13000	S. and T. nil, F. scarce, G. W. plentiful.	Halting place under glacier.
<i>Sartang</i>	..	..	..	97	..	.....	..	.....	15500.		
	..	..	..	100	..	Cross 2 glaciers 10 miles long on watershed between N u b r a and Shayok valleys.	Saser pass	.....	17500	.....	Yaks essential.
8 Brangsa Saser <i>E.—</i>	..	15	..	104	..	After crossing Shayok ford, turn eastwards up deep gully to Chung-tash and down	Cross Shayok valley.	Shayok ford.	15204	S. F. G. T. nil, W. plentiful.	Huts on right bank Shayok river. Winter route up and down latter. Lake.
<i>Chungtash</i>	..	..	..	112	..	.....	.....	.....	.....	.....	
	..	..	..	..	..	Up Rout side valley.	.....	.....	.....	.....	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXXVII ROUTE—contd.									
9	Bulak-i-Murghai <i>Durtse</i> ...	... 10	112 ... 114 ... 127 ...	stony gully to Murgal. Hence road narrow, difficult and risky from stone avalanches.	..... .....	.... .....	15100 16000.	S. F. G. T. nil, W. plentiful, springs.	Halting place.
10	Kizil Langar <i>E.—</i> ...	16	130 ... 136 } 144 }	Ascend by steep and stony gorge to high plain, cross this barren plateau over spongy soil and descend by wide and deep gully.	 Dipsang plateau, cross Chipchak valley. ... ..	..... .....	16700 17800.	Ditto	Camping ground.
11	Daulat Beg Uldi <i>Chajosh jilga</i> ...	20	150 .. 158	 Gradual rise to pass over gravel and clay soil, then ascent sudden and steep, similar descent, then gradual down shingly gully. Road good	Karakoram pass. Down Yarkand valley.	..... .....	16880 18300 17180	Ditto Ditto	Ditto. Winter route from Leh joins here. Practicable for laden horses. Halting place.
12	Balti Brangsa ... <i>E., Rock Shelter—</i>	22	172 ... 186	 Road good	.....	.....	16000.		
	<i>Wahab Jilga</i> ...	... ...	...			.....			

13	Aktagh or Malik Shah <i>E. —</i>	28	...	200	...	Road gradually rises over arid stony plateau to foot of pass.	Leave Yarkand valley.	.....	15590	Ditto, a little grass in summer.	Winter route diverges by Kugiar.
14	Chibra	10	..	210	...	Road ascends gradually to the Suget pass, flat on top for 3 miles and descends steeply down ravine, over moraine banks and granite boulders.	 Suget Dawan. Down Suget and Karakash valleys.	.....	16480 17618	S. F. G. T. nil, W. scarce.	Halting place. Yaks necessary, air rarefied.
15	Suget	21	...	231	...	Road follows course of Suget stream, then crosses Karakash river and along right bank of latter.	.....	Cross Suget stream several times. Karakash ford.	12970	S. and T. nil, F. G. W. plentiful.	Junction of Suget and Karakash rivers. Old fort erected by Maharaja of Kashmir. Kirghiz Camps around.
16	Shahidula <i>Aiduk</i> <i>Toghra Su</i>	8	..	239	...	.....	.....	.....	11500	Ditto	
17	Ali Nazar Kurgan	11	...	250	...	.....	Up Kilian or Dair manluk valley.	Toghra Su ford. .....	.....	Ditto	Kirghiz Camps and Fort.

Hence are 3 routes over the Kuenlun range to Kargalik and Yarkand.

I. By Toghra Su valley, Kilik pass and Tupa Diwan, path little known and closed by the Chinese authorities, grass and wood procurable at every stage, said to be the best for foot passengers.

II. By Kilian valley, Kilian pass and Kilian city, summer route as under.

III. By Karakash valley, Sanju or Grim pass and Sanju city, also summer route as in **LXXIX**.

The Chinese authorities sometimes block II, and at other times block III.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXVII ROUTE—contd.									
18	Bostan ...	...	250	.....	.....	... ..	.....	S. T. nil, F. G. scanty, W. available.	Halting place.
19	Kara Chaglan Alaghe.	18 ..	278 ..	Ascent and descent of pass steep, but not difficult, men and horses suffer from <i>diam</i> or mountain sickness through the rarefied air.	Kilian Havan. Down Taggun valley.	... ..	.....	S. T. G. T. nil, W. available.	South foot of pass. Yaks necessary.
20	Tsch Kun Kilian.	16 .	294 ..	.. ...	.....	... ..	...	S. F. T. nil, G. scanty, W. available.	North foot of pass.
21	Basilik Aghse ...	12	306 ..	.. ...	.....	Crossed Taggun torrent several times.	...	Ditto	Camping ground.
22	Chiguluk Aghse	15 ...	321 ..	.. ...	....	... ..	.....	Ditto	Ditto.
23	Akshor ...	15 .	336 .	Road fair	.....	.....	.....	Ditto	Hamlet.
	<i>Saryk Aryk</i>	..	346 ...	.. ...	.....	Tazgun ford.	7000	S. F. G. W. and T. moderate.	Large village of 150 houses, where re-new supplies.
	<i>Yut Kuduk</i>	... ..	350 ...	.. ...	.....	.....	7000	S. F. G. W. and T. moderate.	Large village of 150 houses, where re-new supplies.
24	Kilian ...	20 .	356 ...	Road through richly cultivated valley, then over sandy soil and un-	.....	.....	7000	S. F. G. W. and T. moderate.	Large village of 150 houses, where re-new supplies.

25	Bash Langar	...	14	...	370	...	dulating ground.	.....	.....	.....	S. F. T. nil, G. W. available.	Village, buy fruit.
	<i>Doghri Kuprik</i>	..	...	...	377	...		.....	.. ..	.....	S. and T. precarious, F. G. W. available.	Village in oasis, well cultivated, where join route from Sanju. Village.
26	Bora, Oasis	...	14	...	384	...	Road gradually rises over undu- lating ground for 8 miles and then along a chul flat to Kargalik.	.....	.....	.....	S. and T. nil, F. G. W. moderate.	Large town and bazar, 1000 houses.
27	Besh Aryk	...	25	...	409	...	... ..	.....	.....	4500	S. F. G. W. and T. plentiful.	
28	Kargalik	...	6	..	415	...	Across drain- age of Tarim valley	.....	.....	.....		
	<i>Kulchi</i>	...	...	..	422	..	Road from Karga- lik to Yarkand through cultiva- ted and watered country.	.....	Tezab ford.	.....	S. F. G. W. and T. moderate.	Village, 300 houses.
29	Yak Shambeh	...	11	...	426	...	... ..	...	.. ..	.....		
30	Posgam <i>C, E.—</i>	...	13	...	431 439	..	... ..	...	Tiznaf ford.	4200	Ditto	Large village, 600 houses.
31	Seh Shambeh	...	9	..	448	..	... ..	.....	Yarkand or Zarafshan ferry.	.....	S. T. nil, F. G. W. plentiful.	Hamlet.
	<i>Longar Alim Akhoon</i>	...	...	...	454	...	... ..	.....	Zulchak river			
32	Yarkand <i>P. O., B., C, E—</i>	...	8	...	456	...	Good road through gardens and cul- tivation well shaded by trees for 9 miles from Yarkand, trav- ersed by arbas.	.....	.. ..	3950	S. F. G. W. and T. abundant.	Large and ancient city, Fortress, bazaars. Residence of Governor, centre of trade.
33	Kok, Robat, oasis	...	25	..	481	...	... ..	...	.....	3830	S. and T. nil, F. G. W. plentiful.	Village, 400 houses.
34	Ak Robat <i>E.—</i>	...	15	..	496	...	Road through chul or stony desert.	.....	.....	.....	Ditto, W. brackish.	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXVII. ROUTE—contd.									
35	Kizil , <i>oasis</i> <i>C., E.—</i>	15	...	Good road through oasis, then over a chul or stony desert.	....	Kizil ford	3910	S. and T. nil, F. scanty, G. W. available.	Large village, 300 houses, iron works.
36	Topaluk	14	...	.. ..	....	.. ..	....	S. F. T. nil, G. W. available.	Small village, iron works.
37	Yangi Hissar <i>B., C., E.—</i> <i>Sogholue</i>	16	...	Good carriage road 25 feet wide traversed by arbas. The road is lined by trees and runs through a well watered and cultivated country, 6 miles from Yangi Hissar, 10 miles round Yapan, and 9 miles from Kashgar.	.. ..	Shahnaz Bridge.	4320	S. F. G. W. and T. plentiful.	Large town and fort, 600 houses.
38	Yapchan	25	...	.. ..	.. ..	Crossed several branches of the Gez river.	4210	S. F. G. W. and T. plentiful.	Large village, 250 houses.
	<i>Tazgun</i>	...	...	.. ..	.. ..	Tazgun bridge			
	<i>Karasu</i>	...	...	.. ..	....	Karasu "			
39	Yangi Shahr	15	...	.. ..	....	Kizil Su or Kashgar river.	4060	S. F. C. W. and T. abundant.	New city and fortress.
40	Kashgar <i>P. O., B., C., E.—</i>	5	...	.. ..	....	.. ..	4043	Ditto	Capital of Chinese Turkistan. Large and ancient city, bazars, centre of trade.

There are 3 improvements being made on the Kashmir side in this road from Leh.

A new road over the Khardong pass with an easier gradient to summit, avoids the glacier on further side and descends to Shayok valley with a fairly easy gradient.

Blasting of a road ($\frac{3}{4}$ mile through solid rock) up the mouth of the Tutyalak ravine to circumvent the Karawal Dawan, to avoid this high spur and shorten the distance.

New approaches on both sides to the great glaciers on the Saser pass.

From Yarkand, a road branches westwards to Tashkurgan in Sarikol by Yakarik 20 miles, over Shaitan kum desert to Kiziltagh 23 $\frac{1}{2}$ miles, Arpalik 15 $\frac{1}{2}$ miles, crossing two low passes, Kizil Diwan and Kara Diwan to Khaizak 21 miles, on the Charling river and up this valley by Tashkerim 14 $\frac{1}{2}$ miles, to Chehil Gombaz 19 miles, over Torat pass 13,400 feet, to Past Robat 9,370 feet 9 miles, Tarbashi 11,515 feet 8 miles, Shindi 17 miles, Tashkurgan 10,270 feet 19 miles—Total Yarkand to Tashkurgan 188 miles.

From Yangi Hissar another road branches south-westwards and joins the foregoing at Chehil Gombaz 10,310 feet, by Ighizyar 19 miles, Aktala 17 miles, Sasak Taka 13 miles, Kaskasu 14 miles over Kaskasu pass 13,000 feet to Chehil Gombaz 8 $\frac{1}{2}$ miles—Total Yangi Hissar to Chehil Gombaz 71 $\frac{1}{2}$ miles and to Tashkurgan 124 $\frac{1}{2}$ miles.

From Tashkurgan 10,270 feet these roads continue in the same direction S. W. by Khanshabur 12,980 feet 17 miles, over Nesa Tash pass 15,000 feet, to Aktash 12,600 feet 18 miles, Ghazkul lake on Little Pamir 13,200 feet 46 miles, Langar 12,530 feet 25 miles, Sarhad 11,150 feet 24 miles, Kila Panja 55 miles—Total Tashkurgan to Kila Panja 185 miles.

LXXVIII LEH TO YARKAND OR KASHGAR by SHAYOK VALLEY, KARA KORAM and YANGI DAWAN PASSES.

Zamistani or winter route when Shayok river is frozen over with thick ice. Drew, Trotter, Bellew—Distances approximate.

	Leh <i>P. O., D. B., C., E.—</i>	...	...	...	...	Up ravine north-east of Leh.	.....	11500	S. F. G. W. and T. abundant. Take through supplies and transport to Yarkand.	Large town, fort- capital of Ladak. Palace of Gialpoor of Raja. Residence of Wazir and British Joint Commissioner. Huts. Yaks necessary. Village on plateau.
1	<i>Sobu</i> ...	...	...	5 ...	...	...	.....	.. ...	S. F. T. nil, G. W. scanty.	
	Polu ..	...	10 ...	10 ...	...	...	.....	17900	...	
2	Digar ... <i>E.—</i>	...	14 ...	24 ...	...	Digar or Laswan La, down Lung thung Loong- ma.	.....	13080	S. F. T. scanty, G. W. plentiful.	

NUMBER OF MARCHES.	NAMES OF STAGES	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXXVIII ROUTE—contd....									
3	Agham , left bank ... B.—	...	24 ...	Road fair eastwards to Chang jungle, whence it turns northwards and becomes rough, in places rugged.	Up Shayok valley	Cross Shayok river 24 times between this and Murg'hai.	10500	S. and T. nil, F. G. W. plentiful, spring.	Village on left bank of Shayok river. Complete supplies here.
4	Pakra , right bank ...	12 ...	44	.....	.....	.....	11000	Ditto	Camping ground.
5	Chimchak , right bank.	10 ...	54 ...	.....	.....	.....	11600	Ditto	Ditto.
6	Lamakyent , right or Shayok, left bank.	8 ..	62 ...	The river bed where crossed is sandy or gravelly.	.....	Shayok river frozen over 4 months in winter above this, when people travel over the ice.	12200	S. and T. nil, F. G. scanty, W. plentiful.	Village on both banks.
7	Chang Jungle , right bank. Changthang Jilga ... Kabutar Khana	18 ...	80 ..	Between Agham and Mandarik little snow falls, but above Mandarik to Brangsa continual snow in winter though the road is never closed.	.....	.....	12800	S. and T. nil, F. G. W. plentiful.	Pasture ground.
8	Dong Aylak , left bank.	18 ..	98	.....	.....	.....	.....	Ditto	Junction of Chang Chen mo and Shayok road eastwards by Chumurti to Rudok. Halting place.
	Yarghabuk Fort	...	108	.....	.....	.....	13000	Ditto	

9	Mundarik, right bank.	20	...	118	...	.....	.. ..	.....	13300	Ditto	Camping ground.
	<i>Yartuvi</i> ...	...	...	121	...	.....	.. ..	Kura Jilga.			
10	Kutalik, left bank <i>E.—</i>	12	...	130	...	From Kutalik up Rout valley to Bulak-i-Murgai about 14 miles, where join summer route over Dipsang plain, or continue up Shayok river on the ice through a narrow and winding strait between the glaciers on right bank and the cliff opposite on left bank to Gapshan.	...	Rout nala	13500	Ditto, spring	Ditto.
11	Sultan Chuskum, left bank.	15	...	145	...	...	...	.. ..	14000	S. and T. nil, F. G. scanty, W. plentiful.	Ditto.
	<i>Brangsa Naser on right bank opposite.</i>	...	...	155	...	...	...	.....	15000.		
12	Dan-i-Murghai or Kandan, left bank.	18	...	163	...	...	.....	.....	.....	Ditto	Ditto.
13	Gapshan ...	9	..	172	...	Road rough, crossing many spurs and ravines.	.....	.....	...	S. and T. nil, F. G. scanty, W. plentiful.	Ditto.
14	Daulat Beg Uldi <i>E.—</i> <i>Chajosh Jilga</i> ...	15	...	187	...	Lower approaches gradual and upper approaches sudden and steep on both sides.	Up ravine northwards. Karakoram pass.	Chipehak ford.	16880	S. F. G. T. nil, W. available.	Join summer route.
	Balti Brangsa ...	22	...	209	...	.....	Down Zarafshan or Yarkand valley to Kulan Uldi.	.....	18310	.....	Marble slab in memory of A. Dagleish.
15	<i>E, Rock shelter</i> <i>Wahab Jilga</i> ...	...	..	223	...	.....	.....	.....	17180	Ditto	Camping ground.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE OF MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL m. f.						
LXXVII ROUTE—contd. ...									
16	Aktagh or Malik shah. <i>E.--</i>	28 ...	237 ...	Road rough down Yarkand valley to Kulan Uldi, thence northwards across Kuenlun range, head of Tiznaf valley and intermediate range and down Kugiar valley to Kargalik, passable throughout for laden animals. Up narrow, tortuous and deep gorge with easy ascent and descent to pass. Along course of Tiznaf river.	.....	.....	15590	S. F. G. T. nil, W. available, a little grass in summer.	Leave summer route here.
17	Khufe lung ...	20 ...	257 ...		.....	.....	.....	S. and T. nil, F. G. W. available.	Camping ground.
18	Kashmir Jilga ... <i>Kirghiz Jangal</i>	12 ...	269 ...		... ..	... ..	... ..	Ditto	Ditto.
19	Kukat Aghzi ...	26 ..	295 ...		.....	Cross Yarkand river several times.	12870	Ditto	Ditto.
20	Kulan Uldi ...	15 ...	310 ...	Up ravine northwards. Yangi Dawan. Down Tiznaf valley.	.....	Yarkand ford	12650	Ditto	Ditto.
21	Chiragh Saldi ... <i>Kirghiz Tam</i>	12 ...	322 ...		.....	.....	15800. 14200	S. and T. nil, F. G. W. procurable.	Ditto.
		... ..	325 ..	.....	Cross Tiznaf numerous times, in winter frozen over, in summer	.....	.....	S. and T. nil, F. G. scarce, W. procurable.	Kirghiz Camps.
22	Gurunj Caldi ...	14 ...	336 ...	.....	.....	.....	11900	S. F. G. T. nil, W. available.	Ditto.

23	Duba	...	9	...	345	...	.....	.....	floods are dangerous.	10000	.....	Pasture ground.
24	Khoja Mazar	...	6	...	351	...	.....	...	.....	9250	S. T. nil, F. G. W. plentiful.	Pakpo camps.
25	Chighlic	...	18	...	369	...	3 miles up river at Kughda-su are copper mines and works.	.....	Tiznaf ford	8250	S. F. T. nil, G. W. available.	Grassy flat with willows and poplars.
26	Ak Musjid <i>Posar</i>	...	12	...	381	...	Very steep rise between hills of loose dust and similar descent very dusty.	Tupa Dawan	.....	10200.	.....	.....
27	Kugiar , <i>oasis</i> <i>C., E.—</i>	...	24	...	405	...	Road fair over gravelly waste and sandy desert, traversed by sandy ridges to about 3 miles of Kargalik, where cultivation begins.	Down Kugiar valley.	Kugiar ford	.....	.....	Huts.
28	Yolaric , <i>oasis</i>	...	12	...	417	...	Road good, 20 feet wide through well watered and cultivated country.	.....	.....	6460	S. and T. nil, F. G. W. available.	Village of 100 houses.
29	Besht Aryk , <i>oasis</i>	...	12	...	429	...	.....	.....	River bed	.....	Ditto	Hamlet.
30	Kargalik <i>B., C., E.—</i> <i>Kutchi</i>	...	20	...	449	...	.....	A cross drainage of Tarim valley.	.....	4370	S. F. G. W. and T. plentiful.	Town, 1,000 houses.
31	Yakshamba <i>bazar</i> <i>B.—</i> <i>Posgam C, E</i>	...	16	...	465	...	Over cultivated plain with farms, meadows and marshes.	.....	.....	.....	S. F. G. W. and T. moderate.	Village, 300 houses, bazar.
32	Yangichak <i>B.—</i>	...	18	...	483	...	.....	.....	.....	4300	S. F. G. W. and T. plentiful.	Large village, 600 houses, and bazar.
					484	...	Over cultivated plain, well stock- ed with trees.	.....	Yarkand or Zarafshan river.	.....	.....	Settlement.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						
LXXVIII ROUTE—contd....									
	<i>Langar Ali Akhoon</i> ...	...	484 ...	.....	.....	Zilchak bridge.	3923	S. F. G. W. and T. abundant.	Large town and fortress. Centre of trade, numerous bazars. Residence of Amban.
33	Yarkand <i>P. O., B., C., E.—</i>	12 ...	495 ...	Road good, 20 to 25 feet wide, lined with trees near the towns passing through a well watered and cultivated country.	.....	Opah bridge.	3923	S. F. G. W. and T. abundant.	Large town and fortress. Centre of trade, numerous bazars. Residence of Amban.
34	Kok Robat , <i>oasis</i> <i>C., E.—</i>	25 ...	520 ...	Road traversed by arbas.	.....	.....	3530	S. and T. nil, F. G. W. plentiful.	Village, 400 houses.
35	Ak Robat ...	15 ...	535 ..	Crossed stony desert.	..	.....	.....	S. F. T. nil, G. W. procurable.	Halting post.
36	Kizil , <i>oasis</i> ...	15 ...	550 ..	Alternate cultivation and sandy plains.	.....	Kizil ford	3910	S. G. W. T. moderate, F. scanty.	Village, 300 houses and a few shops. Iron mines and works.
37	Topaluk ...	14 ...	564 ... 575 ...	.. ... .....	..... .. ..	..... Shahnaz bridge.	.....	S. F. T. nil, G. W. scanty.	Iron works.
38	Yangi Hissar ...	16 ...	580 ..	Road good through cultivation with 10 miles of pasture ground in middle of stage.	....	Crossed several branches of the Gez river on both	4320	S. F. G. W. and T. plentiful.	Fort and bazar. Town of 600 houses.
	<i>Sila Khanka</i> ...	...	590 ...						
		...	594 ...						

39	Yapchan <i>Tazgun</i>	...	25 ...	605 ...	Road good through irrigated country watered by canals. Garden cultivation commences 3 miles from Yangi Shahr.	... ..	sides of Yapchan Tazgun ford. Karasu bridge. Kizil su or Kashgar river.	4210	S. and T. nil, F. G. W. plentiful.	Village, 250 houses.
	Yangi Shahr	...	...	610 ...		...		4063	.....	New fortress and city.
40	Kashgar <i>P. O., B., C., E.—</i>	...	20 ...	620 ...		...	.....	.....	S. F. G. W. and T. abundant.	Capital of Turkistan. Large town and bazars. Residence of Taotai. Centre of trade.

LXXIX LEH TO YARKAND AND KASHGAR by CHANG CHENMO, AKTAGH and SANJU PASS.

Drew, Biddulph, Trotter, Bellev, Henderson.—Distances approximate.

	Leh <i>P. O., D. B., C., E.—</i>	...	...	0	Road good	...	Up Indus valley on right bank.	.....	11500	S. F. G. W. and T. abundant. Take through supplies and transport to Yarkand.	Large town and fort. Capital of Ladak. Palace of Gialpoor Raja. Residence of Wazir and British Joint Commissioner.
1	Tikze <i>Tunglasha</i>	...	12 ...	12	Road fair, for 12 miles, leave Indus and path turns up Sakti valley well cultivated.	...	.....	Sabu foo Nang " Sakti "	.....	S. F. G. W. and T. plentiful.	Large village and Monastery, much cultivation.
2	Chimre <i>E. bad</i>	...	17 ...	24 ...	...	...	Up Sakti valley.	...	11890	S. F. G. W. and T. moderate.	Ditto.

NUMBR. OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXIX ROUTE—contd.									
	<i>Sakti</i>	...	29 ...		.....	.....	15780	S. and T. nil, F. G. W. available.	
3	Zingral <i>E.—</i>	...	33 4					.....	Halting place.
		8 ...	37 ...	Gradual ascent and descent over pass, winding through rocks and boulders.	Chang La Down Changl ravine.	.....	17690	.....	Kailas range.
4	Tsultak <i>Durgu</i>	8 ...	45 ...	Road along both banks of river to Tankse.	Up Sushal valley.	Sushal bridge.	15950	Ditto	Lake, ditto.
		...	53 ...	.....	.....	Sushal ford.			
5	Tankse	14 ...	57 4 59 ...	.....	.....	.....	12900	S. F. G. W. and T. plentiful.	Large village and store house.

From Chimiré 29 miles, there is a route northwards up the Mungri branch of the Sakti nala, to Tagnuk 10 miles, cross Waris La 17,300 feet, an easy pass of the Kailas range dividing the Indus and Shayok valleys, to Tayar 20 miles, where a cross road is joined starting from Satti on the Shayok river opposite Khar char eastwards and up valley to Agham 20 miles, Tayar 13 miles, cross Nobbok La to Durgu 24 miles, and Tankse 6 miles.

From Durgu there is also a branch road northwards 10 miles long to Shayok on the left bank of the Shayok river.

From Zingral 37 miles, there is another shorter route to Tankse 57 miles by the Kay La, 17,900 feet and Kay Tso down the Kay Loomba, but the pass is more difficult for laden animals.

From Tankse are paths southwards over high passes leading to Ugu and Shera on the Indus.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXIX ROUTE—contd.									
12	Kota Jilga	8	133 .. 135 ...	Road gentle ascent through a broad stony ravine for 4 miles and then steeper	...	...	16730	S. and T. nil, F. G. W. procurable.	Camping ground.
13	Pangtong	7	142 4 147 ...	Gentle ascent to pass, high table land one mile, and bad road along ravine.	 Chang lung pass.	.....	17250 18910.	Ditto	Ditto.
14	Sumzungling	15	157 4 162 4	Gentle ascent to high table land, road fair	... Cross west end of Lingzi thang plain. Dehra pass	.....	17310	S. F. T. nil, G. scanty, W. available.	Ditto
15	Dehra Compas	19	176 4 178 ... 182 ..	... Road good but stony.	 Down Kara-kash valley.	Branch Kara-kash ford Karakash ford.	17890 18160.	S. F. G. T. nil, W. scanty by digging.	Ditto.
16	Shinlung or Dang lung	18	185 4 194 4	Road bad and stony across ice beds, slippery and difficult for laden animals.	.....	...	17030	S. G. T. nil, F. W. plentiful.	Ditto.

17	Kizil Jilga	...	14	4	239	...	.....	Karakash river.	16360	S. and T. nil, F. G. W. procurable down valley.	Ditto.
	<i>Khasht Maidan</i>	...	...	...	257	...	Road stony and bad.	.....	.....	F. G. W. available.	
18	Chung Tash <i>E.—</i>	...	23	4	262	4	.....	.....	15740	S. F. G. T. nil, W. available.	Ditto.
	<i>Rock shelter</i>	...	...	...	264	4	Road leaves Karakash river, and ascends tributary, bad for 3 miles, and then across plain.	Up ravine	Cross stream several times.		
19	Shor Jilga	...	14	..	276	4	Road up ravine rough to pass with short sharp descent into open plain.	.....	.....	Ditto.	Ditto.
		...	...	...	281	..	Road good over level plain.	Karatagh pass.	17710.		
20	Karatagh	...	9	...	285	4	On right bank Yarkand river.	.....	16890	S. G. T. nil, F. W. procurable.	Lake.
	<i>Tumba</i>	...	...	...	296	6	Road over arid stony plateau.	Yarkand valley. Up ravine.	15590	S. F. G. T. nil, W. available.	Junction of Karakoram route.
21	Aktagh or Malik-shah <i>E.—</i>	...	22	4	308	...	.....	.....	16480	S. F. G. T. nil, W. scanty.	Few stone enclosures.
22	Chibra	...	10	...	318	...	Gradual ascent to pass, steep descent into ravine, crossing high moraines of granite boulders on right bank Suget stream.	Suget Dawan. Down Suget valley.	17600		Camping ground.
	<i>Kutas Jilga</i>	...	...	...	324	...	.....	.....	12970	S. T. nil, F. G. W. plentiful.	Junction of Suget and Karakash rivers.
23	Suget <i>E.—</i>	..	21	...	339	...	.....	Down Karakash valley.	.....	.....	
		...	...	...	343	...	.....	.....	.....	.....	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXXIX ROUTE—contd. ...									
24	Shahidula Khoja	...	343	On left bank Karakash river, continues down this winding valley by a rough road.	.....	twice. Ditto, three times. Toghra ford.	11780	S. T. nil, F. G. W. available.	Old fort erected by Maharaja of Kashmir. Kirghiz Camps around.
	<i>Toghra su</i>	8	...		.....				
	<i>Ali Nazar Kurgan</i>	...	352		.....				
	<i>Kalan su</i>	...	356		.....				
25	Pillata gach	...	357	.....	.....	Kilian ford	.....	.....	Junction of valley, up which road diverges to Kilian pass.
	<i>Mazar Mirza Abubakar</i>	14	...	.....	.....	Forded Karakash river twice.	.....	Ditto	Pasture flat.
	Kichik Kara Koram.	...	361	Left Karakash valley turning up narrow glen to left, ascending a tortuous gully by a steep, narrow and rough path.	Up ravine.	.....	.....	.....	.....
	<i>Zukongra</i>	...	367	Falling stones, dangerous ascent up a narrow, wind-	.....	Crossed tent several times.	.....	S. F. G. T. nil, W. melted ice.	Halting place in gorge.
26	Kichik Kara Koram.	10	...	...	.....	.....	12050	.....	.....
	<i>Koramlik jilga</i>	...	371	...	Sanju Dawan or Grim pass.	.....	16300	.....	Yaks necessary.
	<i>Koramlik jilga</i>	...	374	...	...	.....	.....	.....	.....
	<i>Koramlik jilga</i>	...	378	...	...	.....	.....	.....	.....
	<i>Koramlik jilga</i>	...	382	...	...	.....	.....	.....	.....

27	Gachaka	...	18	...	389	...	ing, rocky gully over landslips and great rocks. Ice field on top, then sudden drop down steep slope liable to avalanches of snow and along rapidly falling defile. Road down narrow and winding defile.	Down Sarighyar valley.	Crossed Sarighyar river by numerous ford.	10100	S. F. T. nil, G. W. available.	On Sarighyar river, Kirghiz camps in vicinity.
28	Tam <i>E.</i> —	...	10	...	399	...		.....	.....	8750	S. T. nil, F. G. W. available.	Hamlet, cultivation on Sarighyar river.
	<i>Chuchu glen</i>	...	...	...	404	...		.....	.....	.....	.....	Road to Chuchu pass 11,850 ft. on right and down Arpalik valley to Sanju.
29	Kiwaz	...	16	...	415	...	Road down an expanding valley for 4 miles and through fields and gardens to Sanju. Cultivation extends for 12 miles up and down river.	.....	Sarighyar ford.	.....	Ditto	Detached huts in flat sandy basin.
30	Sanju <i>C, E.</i> — <i>Langar</i>	...	12	...	427	...	Road chiefly through desert over sand and gravel to Besh Aryk.	.....	Sarighyar ford.	6070	S. F. G. W. and T. ample.	Town of 1,200 houses on Sarighyar river. Country well cultivated, orchards and gardens.
31	Kush tak	...	25	...	452	...		.....	Kilian ford	.....	S. T. nil F. G. W. moderate.	Village on Kilian river.
32	Oi Tograk , <i>oasis</i>	...	20	...	472	...	.....	.....	.....	5760	S. and T. nil, F. G. scanty, W. plentiful.	Settlement.
33	Bora , <i>oasis</i> <i>Besh arjk, oasis</i>	...	12	...	484	...	Road good through irrigated fields.	Across Tiznaf valley.	.....	5340	Ditto	Centre of farms along course of stream.
		...	...	...	499	...						

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. m. f.	TOTAL. m. f.						
LXXIX ROUTE—contd.									
34	Kargalik <i>B, C, E— Yak shamba bazar C.—</i>	...	499 ...	Road through po- pulous and high- ly cultivated tract with occa- sional strips of marsh, tamarisk jungle and waste.	.....	.....	4370	S. F. G. W. and T. plentiful.	Market town of 1,000 houses. 300 houses.
35	Posgam <i>E.— Langar Zilchak</i>	25 ...	531 ...	.....	Across Yar- kand valley.	 Yarkand or Zarafsham river.	4200 ...	S. F. G. W. and T. moderate.	Large village and bazar of 600 houses. Aygachi boat ferry few miles below ford.
36	Yarkand <i>P. O, B, C, E— Sughai chak Rabat chi</i>	17 ...	548 ...	Extensive garden cultivation. .....	.....	..... Opah bridge.	3958	S. F. G. W. and T. abundant.	Large city and fort- ress, centre of trade, residence of Amban. Post stage.
	Kok Robat, oasis... <i>B, C, E—</i>	25 ...	573 ...	Road over sandy waste interspers- ed with green patches or oases of cultivation.	... ..	.....	3830	.....	Village of 200 houses.

<i>Ak Robat</i>	...	...	...	...	Road over gravelly desert.	.....	.....	.....	2 Wells, W. brackish	Post stage.
38 Kizil <i>B., C., E.—</i>	...	30	589	...	Road over 10 miles of thin pasture, and then over waste and desert to Shahnaz.	.....	Kizil ford	3910	S. and T. nil, F. G. W. available.	Large village of 500 houses, iron works, brought from hills, 2 marches west. Village.
<i>Topalak</i>	...	...	603	...	.....	.....	.....	.....	.....	.....
<i>Sugat Bulak</i>	...	...	617	...	.....	.....	.....	.....	.....	.....
<i>Shahnaz</i>	...	...	623	...	.....	Kayragh ridge.	Shahnaz bridge.	.....	.....	Post stage.
39 Yangi Hissar <i>B., C., E.—</i>	...	30	628	...	Road over thinly cultivated country and saline plain or sandy wastes, with isolated scattered homesteads.	.....	Crossed two canal bridges.	4320	S. F. G. W. and T. moderate.	Small town of 4,000 houses and fort.
<i>Sogholuc</i>	...	...	633	...	.....	.....	Khan Aryk bridge.	.....	.....	Garden.
	...	...	648	...	.....	.....	Kusan "	.....	.....	.....
40 Yap chan <i>B., C., E.—</i>	...	25	652	...	Road over plain of sandy waste, and marsh to the Karasu river, and then through high cultivated tract with orchards and gardens.	Across Tazgun valley.	Three canal bridges.	4210	Ditto	Large village.
<i>Tazgun</i>	...	...	655	...	.....	.....	Tazgun "	.....	.....	.....
<i>Karasu</i>	...	...	658	...	.....	.....	Karasu "	.....	.....	.....
<i>Yangi Shahr</i>	...	...	663	...	.....	.....	.....	4043	.....	New fortress and city.
	...	...	667	...	.....	.....	.....	.....	.....	.....
41 Kashgar	...	20	673	...	.....	.....	.....	.....	S. F. G. W. and T. abundant.	Large city, capital of Turkistan; residence of Taotai or Governor.
	...	...	678	...	.....	.....	.....	.....	.....	.....

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER- MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>						

LXXIX^a GOGRA to SHAHIDULA by LINGZITHANG PLAINS, CENTRAL CHANG CHENMO ROUTE—Hayward, Drew.—
Distances approximate.

	Gogra	..	127 ..	Road good and passable throughout for laden animals from Chang Chenmo valley up the Kugrang valley, then branching up the Chung lung valley to the north-east, steep ascent and gradual descent, winding track along hill side, crossing many spurs and ravines.	Up Kughang and Chang lung valleys.	 Hot springs.	15570	S. T. nil, G. scarce, F. W. plentiful.	Camping ground.
12	Shamal Lungpa	12 ..	133 .. 136 ..	139 .. 146 ..	Chang lung Burma or Cayley's pass. .....	..... .....	17020 19300.	 Ditto	Path up eastern ravine to Chann lung Yokma La. Ditto.
13	Nischu	..	14 2	153 ..	.....	.....	18630	S. F. G. T. nil, W. available.	Ditto.
	<i>Kala Pahar</i>	..	..	159 4	.....	.....	19300	.. ..	Sumshal plain.
14	Lingzi thang	..	16 4	169 4	Road good ..	.....	17680	S. G. T. nil, F. scarce, W. by digging.	Halting place.
15	Jangal	..	17 ..	186 4	Ditto ..	.....	.....	S. F. G. T. nil, W. precarious.	Small ford.

16	Sumna	...	21	4	202	4	Gentle ascent and descent.	Kizil Diwan. Down Kizil Jilga ravine. ....	.....	17290	S. T. nil, F. G. W. procurable three miles down.	Camping ground.
17	Kizil Jilga	...	9	...	217	...	Road excellent ...	Down Karakash valley.	.....	17150	S. T. nil, F. G. W. plentiful.	Two huge red rocks on Karakash river.
18	Khushk Maidan	17	...	...	222	...	Water disappears from ground for 11 miles.	.....	.....	16360	S. T. nil, F. G. W. plentiful.	Numerous springs.
19	Chungtash	...	7	...	234	...	Road good	.....	.....	15740	S. F. G. T. nil, W. plentiful.	Camping ground.
20	Sumnal <i>E. good—Zinchin</i>	...	13	...	241	...	Road through narrow gorge in parts stony and bad.	.....	Hot springs	15500	.....	On right bank of Karakash river.
21	Tak Marpo <i>E. good—</i>	...	11	...	247	...	Valley opens out for 3 miles, then narrows and road is obstructed by huge boulders and masses of debris.	.....	Cross Karakash river often.	15540	S. T. nil, F. G. W. plentiful.	Junction of Nala.
22	Pulong Karpo <i>E. good—</i>	...	21	...	254	...	Valley opens out and road good.	.....	.....	15000	S. T. nil, F. scarce, G. W. plentiful.	Yellow rock on left bank.
23	Sora <i>E. good—</i>	...	15	...	257	...	Road branches up broad valley over the Knenlun range by Ichi or Yangi Diwan pass to Khotan 160 miles distant.	.....	.....	14600	S. T. nil, F. G. W. abundant.	Huge rock on left of valley.
					265	...	.....	.....	.....	14000	Ditto	Natural salt pans.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AND STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.						
		m.	f.						
LXXIX^a ROUTE—contd. ...									
24	Kara Jilga	17	301	Road bad ...	.....	Kara Jilga	.....	S. T. nil, F. G. W. abundant.	Mouth of small ravine.
25	Sungai <i>E.—</i>	25	318	Road hence N. E. to Khotan 10 days' march, crossing Kuenlun range by Hindu tagli pass over glacier, 17,379 ft.	.....	.....	.....	Ditto	Camping ground on right bank Shayok
	<i>Fotash F. left bank</i> ...	...	343		.....	Numerous springs.			
		...	348						
		...	350	Path up Fotash ravine over difficult pass to Tumba thus avoiding Suget pass.	.....	.....	12390	Ditto	Kirghiz ditto on right bank of Karakash river.
26	Gul bashem	17	360		.....	.....			
27	Bulakchi	10	370	Pass jade quarries at foot of Kuenlun range, join road from Suget pass, road good.	.....	.....	.....	Ditto	Ditto.
28	Shahidula <i>E.—</i>	13	376	.....	.....	.....	11780	Ditto	Old fort on left bank of Karakash river.
		...	383		.....	.....			

LXXX LEH to KHOTAN by ILCHI or YANGI DEWAN PASS—Johnson.—Distances approximate.

	Leh	...	...	...	...	Road good and passable for laden animals.	Up Indus valley.	.....	11350	S. F. G. W. and T. abundant.	Capital of Ladak, large town and fort. Palace of Gyalpoor Raja. Village and Monastery.
1	Tikze	...	13	...	13	.....	.....	.....	.....	S. F. G. W. and T. plentiful.	
2	Chimre	...	16	...	29	.....	Up Sakti valley.	.....	.....	S. F. G. W. and T. moderate.	
	Sakti	...	...	...	35	Very steep ascent from Sakti to Zingral.	.....	.....	.....	.....	Large village, well cultivated.
3	Zingral	...	11	...	40	.....	.....	.....	.....	S. T. nil, F. G. W. available.	Halting place.
		...	...	...	44	Ascent to, and descent from, pass easy.	Chang La. Down Chang ravine, up Durgul valley.	.....	.....	S. T. nil, F. G. W. procurable.	
4	Durgu	...	15	...	55	Road on both banks of Durgul river.	.....	.....	.....	S. F. G. W. and T. plentiful.	Small village, central store depôt.
5	Tankse	...	7	...	62	.....	.....	Cross Durgul river several times.	.....	.....	Hamlet.
	Maglûb	...	...	...	69	.....	.....	.....	.....	S. T. nil, F. G. W. available.	Small lake, no houses.
6	Sowar or Chiri	...	13	...	75	.....	.....	.....	.....	.....	Pangong Lake western end.
	Lukun	...	...	...	85	.....	Up Loonkur valley.	.....	.....	.....	

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m. f.	m. f.							
LXXX ROUTE—contd.										
7	Chagra	...	85 ...	Road good	...	.....	.....	14917	S. T. nil, F. G. W. available.	Shepherds' Camp.
8	Rindi	15 ...	90 ...	Descent from snow.	...	Marsimik La	.....	18990	.....	Pang lung range.
9	Panchalam	11 ...	97 ...	.....	...	A cross Chang Chenmo valley	..	.....	Ditto, F. scarce.	Grazing ground.
10	Kiam	14 ...	101 ...	.....	...	.....	...	.....	S. T. nil, F. G. W. plentiful.	Ditto.
		12 ...	115 ...	On left bank of Chang Chenmo river.	...	.....	Hot spring 179°, Sulphur and Soda.	17045	Ditto	Ditto.
			127 ...	Road level	...	.....	Cross Chang Chenmo river several times.			
11	Lumkang	18 ...	145 ...	On right bank of Chang Chenmo river.	...	Up ravine	Chang Chenmo ford.	17501	S. T. nil, F. G. scarce, W. plentiful.	Halting place.
			153 ...	Road good and ascent gradual.	...	Lum kang La	.....	19501.		
12	Nischu	20 ...	165 ...	Road good	...	.....	.....	17680	Ditto, G. nil.	Ditto
13	Burcha thang	18 ...	183 ...	Ditto	...	Lingzi thang plains.	.....	17425	S. F. G. T. nil, W. available.	Ditto

14	Tso thang	...	20	...	203	...	Soil covered with 6 inches saltpetre.	.....	.....	17024	Ditto	Small lake, salt.
15	Huzak har	...	15	...	218	...	Road fair	.....	.....	16684	Ditto	Small lake, fresh spring.
16	Mapothang	...	16	...	234	...	.....	.....	.....	15959	S. F. G. T. nil, W. brackish.	Small lake, water brackish.
17	Yangpa	...	25	...	259	...	Ditto soil covered with 9 inches saltpetre.	Up ravine ...	.....	15279	Ditto, W. brackish.	.....
					267	...		Khatai Diwan. Across Kara-	.....	17500		
18	Kara Kash river	...	18	...	277	...	Road hence along left bank of Karakash river to Shahidula.	Karakash valley.	Karakash ford	15491	S. T. nil, F. W. plentiful, G. scarce.	Stone huts.
					286	...			.....	19092	.....	Kuenlun range.
19	Tash	...	19	...	296	...	Ascent to pass steep and difficult, much ice, descent rugged, road steep and bad, passable in June, July and August.	Yangi Diwan. Across Yangpa valley.	.....	15583	Ditto	Stone huts.
20	Kush lash langar	...	13	...	309	...			.....	15048	S. F. G. T. nil, W. available.	Ditto.
									.....	18660		
21	Brinjga	...	22	...	331	...	Road bad, ascent to pass steep over large glacier, descent abrupt over granite rocks; road rocky and dangerous.	Naia Khan pass. Down Yurung Kash or Khotan valley.	.....	11755	S. T. nil, F. scarce, G. W. plentiful.	Grazing ground. Wild senna plant.
22	Kapas	...	10	...	341	...			.....	10650	S. T. nil, worse grass and reeds, W. plentiful.	Stone hut.
23	Karangotak	...	16	...	357	...		Cross spur	.....	8735	S. T. nil, F. G. W. moderate.	Village of 500 houses, trees and cultivation.
					364	...	.....	.....	Khotan ford.			

NUMBER OF MARCHES	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE <i>m.</i> <i>f.</i>	TOTAL. <i>m.</i> <i>f.</i>							
LXXX	<i>ROUTE—contd.</i>	...	...	364 ...	.....	.....	.....	8643	S. T. nil, F. G. scarce, W. available.	Village, 20 houses.
24	Pisha	...	15 ...	372 ...	.....	.....	.....	7692 10400	S. T. nil, F. scarce, G. W. plentiful.	Village, 100 houses.
25	Buia	...	10 ...	382 ...	Ascent and descent of spur very steep, road bad, down rocky bed. Road good ...	Up ravine Bisha Diwan. Down Sirisu ravine. ....	.....	5930	Ditto	Village, 30 houses.
26	Yangi langar	...	29 ...	411 ...	On right bank Sirisu.	.....	.....	5790	Ditto	Village, 150 houses.
27	Kumat langar	...	5 ...	416 ...	Road sandy through well cultivated plain.	.....	.....	4678	S. F. G. W. and T. plentiful.	Village and bazar. 1,000 houses.
28	Bezilia	...	10 ...	426 ...	Town on left bank of Khotan river.	.....	Khotan ford difficult.	4320	S. F. G. W. and T. abundant.	Capital of Khotan, population 40,000. Town, fort, large bazar, country well cultivated.
29	Ichi <i>B., C., E.—</i>	...	11 ...	437 ..						

Mr. Drew gives from Tso chang 17,100 feet, to Lokzhung 17,900 feet 16 miles, Thaldat 16,300 feet 15 miles, Yangpa 16,200 feet 30 miles, E. Karakash valley 15,000 feet 24 miles, Shalidula 11,500 feet 81 miles, as taken by Adolphe Schlagintweit. Also a diversion as taken by Dr. Cayley from Thaldat 16,300 feet, to Patsalung 16,400 feet 20 miles, Camp 15,900 feet 21 miles, E. Karakash valley 15,000 feet 12 miles.

LXXX^a KARGALIK to KIRIA in KHOTAN by ILCHI—Johnson, Lansdell.—Distances approximate.

	Kargalik	...	...	0	...	Carriage road over cultivated ground to Khush Langar, and thence over alternate chul and sandy desert, stony and arid to near Guma.	.....	.....	4370	S. F. G. W. and T. plentiful.	Large town of 1,000 houses.
	<i>Lob</i>	...	...	8	...						
	<i>Yakin Langar</i>	...	...	13	...						
1	Khush Langar <i>B.—</i>	...	17	...	...		.....	... ..	.....	S. F. G. T. nil, W. scanty.	Picket station.
2	Chulak Langar <i>B.—</i>	...	16	...	33	...	.....	.....	.....	Ditto	Walled garden.
	<i>Silak Langar</i>	...	...	42	...						
3	Hajif Langar <i>B, E.—</i>	...	14	...	47	...	.....	.....	.....	Ditto	Garden.
4	Guma <i>B, C, E.—</i>	...	9	...	56	...	Traversed about three miles cultivation and plunged into sandy desert and chul to Janghnia.	.....	4340	S. F. G. W. and T. moderate.	Large town and bazar.
	<i>Cholo</i>	...	...	...	59	...		.....	.....	.....	Village of 60 houses.
	<i>Mukhi La Langar</i>	...	...	...	66	...		.....	.....	.....	
	<i>Chuda, oasis</i>	...	...	...	68	...	.....	.....	.....	.....	Large village.
		...	...	...	76	...		.....	.....	.....	
5	Moji, oasis	...	25	...	81	...	Hence road fifteen miles to Sanju.	.....	4290	S. T. nil, F. G. W. available.	Ditto and bazar.
	<i>Kosha Langar</i>	...	...	...	83	4					
	<i>Kondla Langer</i>	...	...	...	91	4					

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.			NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL.							
		m.	f.	m.	f.					
LXXX^a ROUTE—contd.										
6	Janghnia	...	91	4	Hence road to Sanju, traversed some cultivation and then all sandy desert.	.....	.....	.....	S. F. G. W. and T. moderate.	Village, fort and bazar.
7	Pialma <i>C, E.—</i>	22	117	...	Cultivation for two miles then region of sand hills for three miles.	.....	.....	4342	S. T. nil, F. G. W. available.	Small village and bazar.
8	Ak Robat <i>Tabuzhas Langar B. ...</i>	15	132	...		.....	.....	.....	Ditto, deep well.	Mazar or tomb of Inam Mohamud Shah.
9	Zawa Kurghan <i>C, E., oasis.</i>	13	145	...	Road fair through cultivated country.	.....	Bridge	4430	S. F. G. W. and T. moderate.	Small town walled, customs post.
	<i>Ak Serai B.</i>	...	159	...	.....	.....	Karakash ford.	.....	.....	Bazar.
	<i>Do Shambel</i>	...	174	...	Road through irrigated fields, orchards and gardens.	.....	.....	.....	.....	
10	Ilchi <i>B, C, E.—</i>	20	165	...	Road good through cultivation to Dol Langer, then	.....	.....	4320	S. F. G. W. and T. abundant.	Capital of Khotan, large town and fort. 40,000 population.

	<i>Yurung Kash</i>	...	...	...	168	4	sandy plain covered with jungle.	.....	Yurung Kash ford.	4121	.....	Bazar of 500 shops.
	<i>Lob</i>	...	...	...	179	..	.....	.....	.....	4420	S. T. nil, F. G. W. available.	Village, 150 houses.
11	Dol Langar	...	17	...	182	..	.....	.....	.....	.....	Ditto	Halting place.
12	Besh toghrak Langar.	...	15	...	197	..	.....	.....	.....	4220	S. F. G. W. T. plentiful.	Town of 600 houses.
13	Chira <i>B., C., E.—</i>	...	20	...	217	..	Takla Maklan desert three miles north.	.....	Chira ford.	...	S. T. nil, F. G. W. available.	Village, 10 houses.
14	Karakia	...	25	...	237 242	... ...	..... .....	..... .....	..... .....	4580	S. F. G. W. and T. ample.	Large town of 7,000 houses on right bank of Kiria river.
15	Kiria <i>B., C., E.—</i>	...	28	...	270	..	Road sandy until Kiria river, then through cultivations and gardens.	...	Kiria bridge.			

The Sorghak goldfields 7,060 feet, are distant 64 miles from Kiria eastwards in 3 marches.

From Kiria there is a frequented track southwards by Polu, 8,430 feet 55 miles, over the Kuenlun range by the Diwan pass to Ghubolik 16,960 feet, Lake with sulphur mines 43 miles, and across the Chantang and Chang Chenmo plains by the Yesil kul 16,160 feet, the Tashlak kul 16,620 feet, and the Mangtza lakes to Noh 245 miles, and Rudok 20 miles—Total distance from Kiria by Noh and Tankse to Leh 550 miles.

LXXXI LEH TO RUDOK by PANGONG LAKE—Map, Johnson.—Distances approximate.

	Leh	...	...	...	...	...	} See Route LXXX towards Chang Chenmo valley and Khotan.
5	Tankse	...	...	...	...	62 ...	

Hence there are two routes to Rudok, one north and one south of the Pangong Lake.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
LXXXI ROUTE—contd.									
	<i>Muglib</i>	...	62 ... 70 ...		Up Pazar valley.				
6	Chakar Talao	...	76 ...	From Tankse, road up valley, which narrows to a gorge and then opens out by Muglib, crosses grassy swamp and ascends two miles among rocky boulders.	.....	.....	.....	S. T. nil, F. G. W. scanty.	Shallow pond, dry in summer.
7	Lukong	...	7 2 83 2	From Chakar Talao road continues up valley to the plain at end of Pangong Lake.	Up Loonkur valley.	.....	14130	Ditto	Two miles, N. W. end of Pangong Lake. W. salt.
8	Chagra	...	8 ... 91 2	Road good all the way to foot of pass.	.....	.....	15090	S. T. nil, F. scanty, G. W. plentiful.	Pasture ground.
9	Charkang	...	8 ... 99 2 100 ... 104 ...	Gradual ascent to summit, whence road turns eastwards over elevated ground called the Kieu La into the head	 Marsimik La Kieu La. Down Kieu valley.	..... .....	..... 18420.	S. T. nil, F. G. W. procurable.	Southern foot of pass.

10	Pangur Gongma <i>Ningri</i>	10	6	110	...	of the Kieu valley which drains down into the Pangong Lake.	.....	Kim Stream is difficult to cross in summer.	17670	S. T. nil, F. G. W. scanty.	Eastern foot of pass.
11	Niagzu	13	...	123	...	.....	Up Tso Kiok valley.	.....	15390	S. T. nil, F. G. W. available.	Junction of three valleys.
12	Kaisarpo	12	...	135	...	Good road up this branch valley to the head, where it crosses two passes and descends into the Tal valley.	.....	.. ..	16000	Ditto	Halting place.
13	Gonu	12	...	147	...	Road along river bed and then crosses Salam spur.	Demjor La Down Tal valley.	.....	17700	S. T. nil, F. G. W. scanty.	Frontier post.
14	Chuzan	13	...	160	...	Road fair over the pass and down the ravine.	Up ravine	Springs	15840	S. T. nil, F. G. available, W. springs.	Grassy plain.
15	Pal	20	...	180	...	Stony road along northern shore of two fresh water lakes, Tso Rum and Tso Nyak.	Dingo La. Down Toba Ruberg ravine.	,	.....	Ditto	On northern shore of Pangong Lake.
16	Dobo Nakpo	8	...	188	...	.....	.....	.....	14020	S. T. nil, F. G. W. scanty.	On northern bank of Tso Rum.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.	
		INTER-MEDIATE. <i>m. f.</i>	TOTAL. <i>m. f.</i>							
LXXXI ROUTE—contd. ...										
17	Noh	...	188 ...	.....	.....	Naichu Loomba.	.....	S. T. nil, F. G. W. scanty.	On northern bank of Tso Nyak, small village of 25 houses.	
18	Rudok	20 ...	227 ...	.....	.....	... ..	... ..	Ditto	Village and chief place in Rudok.	

Or along southern shore of Pangong Lake, 40 miles long by 2 to 4 miles broad 13,936 feet. W. salt.

7	Lukong <i>Spang mik.—</i>	... ..	83 ...	Fair road, but stony along the southern margin of the Pangong Lake, which is here quite open to Thakung.	.....	.. ..	14130	S. T. nil, F. G. scanty	Two miles from N. W. end of Pangong Lake. W. salt.
8	Mang south bank ...	13 ...	97 ...	.....	.....	.....	13940	S. T. nil, F. G. W. available.	Hamlet.
	<i>Mirak—</i>		104 ...	.....	.....	.....	.....	.....	Small village.
9	Kark pet south bank	10 ...	107 ...	.....	.....	.....	14000	S. T. nil, F. G. W. scanty.	Hamlet.
10	Thakung south bank	7 ...	114 ...	Hence the mountain spurs come	.....	Saka Loongma	.....	S. T. nil, F. G. plentiful.	Halting place.

11	Yula south bank	...	15	...	129	...	down close to the Lake and the road along the shore is winding and rough.	.....	Yula ravine	.....	S. T. nil, F. G. W. precarious.	W. scanty.	Ditto.
12	Aot south bank	...	15	..	144	..	At east end of Pangong Lake, which is connected with the Nyak Tso by a long narrow channel fordable at Aot.	.....	Pangong ford	.....	S. T. nil, F. G. W. plentiful.	Pasture ground. About 3 miles, N. W., is the ruined fort of Kharnak. Camping ground.	
13	Dal north bank	...	12	...	156	...	Hence good but stony road continues along northern shore of Nyak Tso to Pal, and thence along northern shore of 2 small lakes, Rum Tso and Nyak Tso, to Noh. Rudok is on the southern side of the latter lake.	.....	Dal Loomba	.....	Ditto		
14	Pal north bank	...	21	...	177	...		.....	Pal	.....	Ditto		Ditto.
15	Noh	...	20	...	197	...		.....	Naichu	.....	S. T. nil, F. G. W. scanty.	Small village of 25 houses.	
16	Rudok	...	20	...	217	...		.....	.....	.....	Ditto		Village, chief place of Rudok.

From Noh, there is route northwards up the Naichu valley over the Kiang La, by the Mang Tza lake, 16,600 feet, over an extensive elevated plateau 16,880 feet, and the Diwan pass by the Ghubolik lake and sulphur mine 16,960 feet to Polu 8,430 feet and Kiria in Khotan 4,580 feet in length. Colonel Trotter, R. E., writes that, according to Mr. Moorcroft, this was part of an ancient highway from Rohileund northwards to Turkistan starting from Nujibabad (whence a branch railway has just been made 15 miles to Kotduara at foot of the hills), 210 miles long to the Niti pass 16,676 feet, thence crossing the Sutlej river at Totling 12,200 feet, where there is an ancient iron suspension bridge, and crossing the Bogo La 19,210 feet into the Indus valley at Gartok 14,240 feet, it follows this river to Demchok and crosses the Jara pass northwards to Rudok and Noh about 275 miles.

From Noh to Kiria in Khotan is 343 miles, from Kiria to Kargalik 270 miles and from Kargalik to Yarkand 42 miles - Total 1,140 miles.

NUMBER OF MARCHES	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT STAGES.	REMARKS.
		INTER-MEDIATE.	TOTAL						
		m. f.	m. f.						
	Leh <i>P. O., D. B., C., E.</i>	...	...	} See Route LXXXX Ascend S. E. valley, road rough and stony, passable for laden animals. Road easy along wide plain extending to the head at Kangta La, the approaches of which are easy on both sides. The road thence descends down the Yara ravine to the Shushal plateau.	towards Chang Chenmo valley and Khotan.	.....	12900	S. F. G. W. and T. plentiful.	Junction of 5 valleys.
5	Tankse	...	62 ...		Up Harong valley.	Chumik Loongma.	.....	S. T. nil, F. G. scanty, W. plentiful.	Huts. Neck over spur projecting into valley. Tartar camp.
6	Erad	9 ...	71 ... 76 ...		 Harong La. Up Harong or Kailung valley .....	.....	.....	Ditto	Pasture ground.
7	Bulchen	10 ...	81 ...		.....	Bulchen Loongma. Kailung do.	.....	S. T. nil, F. G. W. available.	Ditto.
8	Loi yugma	12 "	93 ...		.....	.....	.....	Ditto	Ditto.
9	Burma	9 ...	102 ... 109 ...		 Kangta La. Down Yara	.....	.....	Ditto	Ditto.

LXXXXII.—LEH to GAR—*Map, Montgomerie, Drew.—Distances approximate.*

10	Shushal <i>Tham</i> —	..	16	..	118 126	.. 4	..... .....	..... ravine, up Shushal valley.	 Spring and Bobsang nala.	14200	S. F. G. W. and T. moderate.	Village and store house. Road branches W. to Mirpa Tso 13 m. Halting place.
11	Dachung	..	16	..	134 140	.. ..	Ascent and descent over pass easy.	 Tsaka La, Down Tsaka valley.	..... .....	..... 15200.	S. T. nil, F. G. W. available.	
12	Ralmang	..	11	..	145	..	.....	.....	.....	.....	Ditto	Hamlet, Gonpa Lama Serai 1 m. distant.
13	Dungti	..	12	..	157	..	Road on both sides of the Indus river.	Up Indus valley.	Indus ford	.....	S. T. nil, F. G. scanty, W. plentiful.	Bend of Indus river where it turns from S. W. to W. course.
14	hang	..	12	..	169	..	Hence road ascends left bank of the Indus in a broad valley and through low hills between Tashi- gong and Dem- chok.	Ditto left bank	Indus "	.. "	Ditto	Halting place.
15	Khangra	..	12	..	181	..		.....	.....	.....	Ditto	Ditto.
16	Tashigong	..	10	..	191	..		.....	Koyul Lungpo	.....	Ditto	Kashmir territory.
17	Demchok	..	26	..	217	..	Hence upper valley narrows with a lofty range of mountains on the western side.	.....	.....	.....	.....	Chinese, Tibet whence road northwards over Jara La to Rudok.
18	Tashingong	..	20	..	227	..		.....	.....	13020	..	Chinese Thibet.
19	Junction of Singh- Gi-Chu.	..	8	..	235	..	Road up the left bank of the more western branch,	.. "	.....	.....	..	Eastern branch of Upper Indus.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.	
		INTER- MEDIATE. m. f.	TOTAL. m. f.							
LXXXII ROUTE—contd. ...										
20	Gar Gunsu	...	26 ...	235 ...	general course downwards from south to north.	.....	.....	14140	.....	Chinese Thibet, centre of trade in winter.
21	Longong	...	20 ...	281 ...		.....	.....	.....	.....	Chinese Thibet.
22	Gartok	...	30 ...	311 ...		.....	.....	14240	.....	Chinese Thibet, centre of trade in summer.

From Gartok there is a road south-westwards over the Bogo La 19,920 feet 25 miles, to Totling 12,190 feet 23 miles, in the Sutlej river, across which there is an ancient iron suspension bridge, thence southwards by Daba 25 miles, to the Niti pass 16,570 feet 23 miles, on the British Frontier—Total distance from Gartok 95 miles.

Firstly.—LXXXIII LEH to HANLE—Maps, Montgomerie, Drew.—Distances approximate.

There are 3 routes from Leh to Hanle :—

- I by Tankse and Shushal.
- II by Indus valley.
- III by Rupshu and Puga.

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE.	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE. m. f.	TOTAL. m. f.						
8	Leh	...	...	} See Route LXVI, Road fair along right bank of Indus valley to Nima Mud, where it crosses the Indus by the most convenient ford, thence up a defile joins the road up the Hanle valley to Hanle.	stages 29 to Up Indus valley.	37. Mahiye foo Polalung " Nima "	13800	S. F. T. nil, G. W. available.	Pasture on left bank.
	Mahiye on right bank	...	108 4						
		...	116 4						
9	Nima Mud ditto	...	121 4			Gachang " Indus ford. Sangthung La.	14000	S. T. nil, F. G. W. plentiful.	Two small villages.
		...	124 4						
		...	132 ..						
10	Shol foo	...	137 ..		Up Hanle valley left bank.			S. T. nil, F. G. W. procurable	Halting place.
		13 4	138 ..						
		...	...						
11	Mankhang	...	150 ..					Ditto	Ditto.
		12 ..	150 ..						
		...	...						
12	Hanle	...	169 ..				14276	S. F. G. T. W. moderate.	Village, large Monastery and Thana.
		19 ..	169 ..						
		...	...						

Secondly.—**LEH to HANLE by INDUS VALLEY.**—*This is the shortest route of the three—*

NUMBER OF MARCHES.	NAMES OF STAGES.	DISTANCE IN MILES AND FURLONGS.		NATURE OF ROUTE	MAIN VALLEYS AND MOUNTAIN PASSES.	RIVER CROSSINGS AND LAKES.	ALTITUDE ABOVE SEA LEVEL IN FEET.	SUPPLIES AND TRANSPORT AT STAGES.	REMARKS.
		INTER-MEDIATE m. f.	TOTAL. m. f.						
LXXXIII ROUTE—contd.									
10	Nidar on left bank...	..	127 ..	Crosses road which leads southwards to Ooti and Chumar. Road fair, leaves Indus river and goes southwards through a rocky gorge and up a stony valley over a low ridge and down a ravine to the Hanle valley, then ascending latter over long gravelly plain and turfy saline meadows.	.....	Nidar	.....	S. F. T. nil, G. W. available.	Opposite Nimu.
11	Takalung on left bank.	10	149 ..		Up ravine	Takalung "	.....	S. T. nil, F. G. W. available.	Halting place.
12	Chumik	12	161 ..	Sangpoche La. Down ravine up Hanle valley left bank.	Chumik "	.....	S. T. nil, F. G. W. scanty.	Spring 4 miles up ravine.	
13	Sangoisang	13	174 ..	.....	Sangoisang "	.....	Ditto	Halting place.	
14	Hanle Et.—	13	187 ..	.....	.....	.....	14276	S. F. G. and T. moderate.	Village, large Monastery and Thana.

APPENDIX A.

The tables of routes leading to Turkistan in Central Asia may be of interest in considering the question of the best route for trade. Taking Delhi and Amritsar in India and Yarkand in Turkistan as the termini, the length of the chief route, so far as known at present, may be thus shown approximately.

ROUTE.	By RAIL.					By ROAD.
Foot Notes of LXXXI Ditto and LXXXIIa	Delhi to Kotduara Kotduara by Gartok to Keria in Khotan Keria by Kargalik to Yarkand This route is at present barred by the Chinese, though according to W. Moorcroft it was formerly the highway for trade.					187 187 1133
LXX LXXXVII	Delhi to Kalka Kalka by Simla, Kulu and Lahoul to Leh Leh to Yarkand If a railway be made from Kalka to Simla, 60 miles, the rail distance will be increased and the road distance decreased by this length.					162 162 929
LXXI LXXXVII	Amritsar to Jalandhar Jalandhar by Palampur, Kulu and Lahoul to Leh Leh to Yarkand, summer route If a railway be made from Jalandhar to Hosiarpur, 25 miles, the rail and roads distance will be lengthened and shortened accordingly.					52 52 968

ROUTE.		By RAIL.	By ROAD.
LXXII LXXVII	Amritsar to Pathankot Pathankot by Chamba and Kirshetwar to Leh Leh to Yarkand, summer route Total ... If a railway be made from Pathankot by Kangua to Palampur, 90 miles, the rail distance will become 175 miles and the road distance from 858 miles.	67 67	440 456 896
LXXI and LXXVII XLII and LI LXXVII	Palampur by Kulu, Lahoul, Zaskar and Leh to Yarkand. Amritsar to Rawul Pindi Rawul Pindi by Srinagar to Leh Leh to Yarkand, summer route Total ...	211 211	441 456 897
LXI LXIV and Foot Note to LXXVII	Amritsar to Kala Serai Kala Serai by Abbottabad and Chilas to Gilgit Gilgit by Hunsa and Sarikal to Yarkand Total ... If a railway be made from Kala Serai by Abbottabad to Balakot in the Khagan Valley, 90 miles, the rail and road distances will be increased and decreased accordingly.	231 231	293 426 719

To every route there are variations, which are adopted according to season, the state of the passes, the river floods and ice, and the condition of the water, fuel and grazing at the stages.

The routes by Srinagar and Leh are at present resorted to, as Srinagar and Leh are entrepôts of the trade, where the goods can, if required, change hands, and both supplies and transport are abundant.

The Abbottabad, Gilgit and Sarikal route is now being opened out and the road distance being the shortest, is likely to be favoured, especially

if Gilgit were to become an entrepot of trade.

It is probable that all the routes, except the first, by Simla, Kangra, Chamba, Srinagar and Gilgit will continue to be used, as wood, fuel and grass for pack animals on each is limited and would be exhausted in time, if one route only were adopted.

In time a railway from Kala Serai, Haripur, for Kela Derband and up the Indus valley to Bunji and Gilgit would form the best approach to command the trade of Central Asia. The distance by railway would then be roughly, Amritsar to Kala Serai 231 miles, Kala Serai to Derband in Indus valley 50 miles, Derband up the Indus valley to Bunji 4,631 feet 250 miles, Bunji up the Gilgit valley to Gilgit 4,890 feet 40 miles—Total by rail 511 miles, and by road 426 miles.

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